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Using Modern Computing Tools to Fit the Pearson Type III Distribution to Aviation Loads Data

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16. Abstract The question of obtaining a relatively simple and at the same time accurate functional representation of asymmetric frequency distributions gives rise to one of the most important practical problems in mathematical statistics. The famous mathematician Karl Pearson solved this with a considerable degree of success in the development of his Type III frequency function. This function is a comparatively simple exponential expression, which is completely defined in terms of the mean, standard deviation, and the skewness of the distribution. The Type III function produces, with considerable accuracy, a large number of different distributions, both skew and symmetric, and reduces to the standard normal frequency function when skewness is zero. The Pearson Type III distribution is used by the U.S. Army Corps of Engineers in flood frequency analysis, by the National Oceanic and Atmospheric Administration in the analysis of precipitation data, and by the U.S. Navy in specifying airplane touchdown sink speed of non-carrier-based airplanes. A derivation of the Pearson Type III probability function, a table containing a complete set of Pearson Type III probability values for skewness values up to 1.1, an example describing how to use the tables, and a procedure and example for setting up an Excel spreadsheet and graphical applications are presented herein.					
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PREFACE

The Flight Systems Integrity Group of the Structural Integrity Division of the University of Dayton Research Institute (UDRI) performed this study under Federal Aviation Administration (FAA) Grant No. 00-G-015 entitled “Pearson Type III and the Gamma Distribution.” Mr. Thomas DeFiore of the FAA William J. Hughes Technical Center at Atlantic City International Airport, New Jersey, was the program manager for the FAA and also a major contributor for the preparation of the report. Dr. Peter Hovey was the Principal Investigator for UDRI.

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TABLE OF CONTENTS

	Page
EXECUTIVE SUMMARY	ix
1. INTRODUCTION	1
2. DISCUSSION	1
3. EXAMPLES	3
3.1 Percentile of Distribution Table Look-Up	3
3.2 Generating Tables	4
3.3 Generating Exceedance Curves	5
4. CONCLUDING REMARKS	9
5. REFERENCES	9
APPENDICES	
A—Cumulative Probability of the Standardized Pearson Type III Distribution	
B—Derivation of the Pearson Type III Probability Density Function	
C—Deriving the Three-Parameter Gamma Probability Density Function	
D—Moments of the Pearson Type III Probability Density Function	

LIST OF ILLUSTRATIONS

Figure		Page
1	Histogram of Wind Speed Parallel to the Runway at Touchdown	6
2	Histogram of Wind Speed Perpendicular to the Runway at Touchdown	6
3	Pearson Type III Probability Plot of Wind Speed Parallel to the Runway	7
4	Pearson Type III Probability Plot of Wind Speed Perpendicular to the Runway	7
5	Exceedance Probability for Wind Speed Parallel to the Runway	8
6	Exceedance Probability for Wind Speed Perpendicular to the Runway	8

LIST OF TABLES

Table		Page
1	Example Using the Excel Inverse Gamma Distribution Function to Calculate Pearson Type III Variates	4

LIST OF SYMBOLS AND ABBREVIATIONS

a, c_0, c_1, c_2	Constants in the Pearson differential equation
$f(x)$	Probability density function
$F^{-1}(x)$	Inverse of the Cumulative Gamma Distribution Function
$F(x)$	Cumulative Gamma Distribution Function
κ	skewness
K, m	Constants in the Pearson Type III Density Function
$P(x)$	Pearson Type III Density Function
P	Percentile
P_e	Exceedance Probability
\bar{x}	Sample Mean
X_p	Standardized Pearson Type III Percentile
s	Sample Standard Deviation
α	Parameter of the Gamma Distribution
β	Scale Parameter of the Gamma Distribution
Γ	Gamma Distribution Function
μ	mean of distribution
σ^2	variance of distribution

EXECUTIVE SUMMARY

The question of obtaining a relatively simple and at the same time accurate functional representation of asymmetric frequency distributions gives rise to one of the most important practical problems in mathematical statistics. The famous mathematician Karl Pearson solved this with a considerable degree of success in the development of his Type III frequency function. This function is comparatively simple exponential expression, which is completely defined in terms of the mean, standard deviation, and the skewness of the distribution. The Type III function produces, with considerable accuracy, a large number of different distributions, both skew and symmetric, and reduces to the standard normal frequency function when skewness is zero. The Pearson Type III distribution is used by the U.S. Army Corps of Engineers in flood frequency analysis, by the National Oceanic and Atmospheric Administration in the analysis of precipitation data, and by the U.S. Navy in specifying airplane touchdown sink speed of non-carrier-based airplanes. A derivation of the Pearson Type III probability function, a table containing a complete set of Pearson Type III probability values for skewness values up to 1.1, an example describing how to use the tables, and a procedure and example for setting up an Excel spreadsheet and graphical applications are presented herein.

1. INTRODUCTION.

The Pearson Type III distribution is used by the U.S. Army Corps of Engineers in flood frequency analysis [1 and 2], the National Oceanic and Atmospheric Administration in the analysis of precipitation data [3], and by the U.S. Navy in specifying airplane touchdown sink speed of non-carrier-based airplanes [4].

The Federal Aviation Administration has been conducting video landing parameter surveys at high activity airports. Some of the parameters measured include sink speed, ground speed at touchdown, roll, pitch, and yaw rates. For almost every civil airplane model type for which substantial data has been collected, the most important measured parameter, sink speed appears to have a substantial degree of asymmetry, i.e., skewness to the positive side. Engineers need a simple statistical tool to analyze, present, and extrapolate frequency distributions for this type of skewed data in which the parameters of the distribution have a clear physical meaning. The three-parameter (mean, standard deviation, and skewness) Pearson Type III distribution appears to fulfill this need. The Pearson Type III distribution is better known today as the Gamma distribution. This report describes the relation between the parameters of the Pearson Type III distribution and the parameters of the Gamma distribution and shows how the built-in functions of Excel can be used to provide tables of the Pearson Type III distribution.

Another distribution that can fit a variety of shapes and is sometimes suggested for fitting skewed distributions is the Weibull distribution. The Weibull distribution is commonly used for strength distributions of materials because it is derived from weakest link theory. A chain will break when the load exceeds the strength of the weakest link, so that the strength of the whole chain is the strength of its weakest link. The Weibull distribution is the limiting distribution of the minimum of a large sample of identically distributed random variables.

Although the Weibull distribution can be fit to a wide variety of shapes, it does not lend itself to standardization, the way the Pearson distribution does because the moments (mean, variance, and skewness) are expressed in terms of the Gamma function of functions of the Weibull parameters. The Pearson Type III, or Gamma distribution, was therefore, suggested for the applications described in this report.

2. DISCUSSION.

As related by Johnson, Kotz, and Balakrishnan [5], in the late 1800s, Karl Pearson developed a system for categorizing probability density functions based on solutions to the differential equation

$$\frac{1}{p} \frac{dp}{dx} = -\frac{a+x}{c_0 + c_1x + c_2x^2} \quad (1)$$

The different types of distributions in the Pearson system correspond to the relationships between the constants in equation 1. The Type III distributions have $c_2 = 0$ and $c_1 \neq 0$. The solution to the differential equation results in the density function

$$p(x) = K(c_0 + c_1x)^m \exp\left(\frac{-x}{c_1}\right) \quad (2)$$

The Pearson Type III distributions can be fit to a wide range of shapes with positive or negative skewness, including a good approximation to the normal distribution. Various tables of standardized Pearson Type III deviates have been published [6].

The Pearson system did not, however, become popular and is not often taught in modern statistics classes. Instead, the individual members of the Pearson families have been studied independently. In particular, the Pearson Type III distribution is a reparameterized form of the three-parameter gamma distribution given by

$$f(x) = \frac{(x - \gamma)^{\alpha-1}}{\beta^\alpha \Gamma(\alpha)} \exp\left(\frac{-(x - \gamma)}{\beta}\right) \quad (3)$$

The relationship between the parameters in equations 2 and 3 are $\beta = c_1$, $\alpha = m + 1$, and $\gamma = -c_0 / c_1$.

Although there are few resources in modern tools for the Pearson Type III distribution, there are many tools available for the Gamma distribution. Techniques requiring tables of the Pearson Type III distribution can be automated with standard built-in functions that are widely available for the Gamma distribution. For example, Microsoft Excel has built-in functions for both the cumulative Gamma distribution function and its inverse.

A typical application of the Pearson Type III is to establish percentiles for a distribution based on the mean, standard deviation, and coefficient of skewness calculated from a set of data. The Pearson tables provide various percentiles of standardized variates as a function of the coefficient of skewness. Percentiles for the sample are then calculated by adding the product of the standardized variates and the sample standard deviation to the sample mean.

The inverse of the Gamma cumulative distribution function can be used to generate standardized Pearson variates. Since standardized values are location invariant, the two-parameter Gamma distribution can be used. The coefficient of skewness for the Gamma distribution is $2/\sqrt{\alpha}$ so that the parameter α can be derived from the sample coefficient of skewness, κ , by $\alpha = (2/\kappa)^2$. The mean and variance for the two-parameter Gamma distribution are $\mu = \alpha\beta$ and $\sigma^2 = \alpha\beta^2$. Since β is a scale parameter, the standardized variates are not a function of β , which can be set equal to 1.

The standardized Pearson Type III percentiles for positive skewness are then calculated by the formula

$$X_p = \frac{F^{-1}(P/100) - \alpha}{\sqrt{\alpha}} \quad (4)$$

where $F^{-1}(p)$ is the inverse of the Gamma distribution function with $\beta = 1$, α is determined from the sample coefficient of skewness as given above, and P is the percentile. For negative skewness, the formula for α is the same, but the formula for the percentiles becomes

$$X_p = -\frac{F^{-1}(1-P/100) - \alpha}{\sqrt{\alpha}} \quad (5)$$

When the skewness is 0, the standardized Pearson percentiles correspond to percentiles of the standard normal distribution.

Although the parameters, β and γ are not used to generate standardized deviates, they are required to calculate exceedance probabilities, which are important for environmental variables such as wind speed. The mean of the three-parameter Gamma distribution is $\gamma + \alpha\beta$ and the variance is $\alpha\beta^2$ so that β and γ can be derived from the sample mean and variance by $\beta = s/\sqrt{\alpha}$ and $g = \bar{x} - \alpha\beta$, where s is the sample standard deviation and \bar{x} is the sample mean. Exceedance probabilities, P_e , are then given by $P_e(x) = 1 - F(x-\gamma)$, where $F(x)$ is the cumulative Gamma distribution function with parameters α and β .

A table of the cumulative distribution function for the standardized Pearson Type III distribution is included in appendix A. The table was generated using Microsoft Excel and can be used for hand calculations in calculating exceedance probabilities.

Additional discussions of the Pearson Type III probability density function, the three-parameter Gamma probability density function and the moment of the Pearson Type III probability density function are presented in appendices B, C, and D respectively. The equations in these appendices are numbered as a continuation of the numbered equations in this section.

3. EXAMPLES.

The use of working with the Pearson Type III distribution will be illustrated by the following three examples.

3.1 PERCENTILE OF DISTRIBUTION TABLE LOOK-UP.

The design requirements for a nitrogen generating system, which can reduce the likelihood of an onboard fire originated by fuel tank inert gases, require the need for the knowledge of an airplane's rate of descent at all altitudes. A large quantity of in-service usage data has been collected and the distribution of rate-of-descent when an airplane is descending from 20,000 to 19,000 feet has a sample mean value of 2,100 feet/minute, standard deviation of 650 ft/minute, and a skewness factor of 0.9.

- (a) At what percentile of the distribution will an airplane be if it is descending at 3500 ft/sec?
- (b) At what descent rate will the upper 99th percentile occur?

With: $\bar{x} = 2,100$, $\sigma = 650$, and $\kappa = 0.90$

(a) Let t be the number of standard deviations the sample variate is from the mean.

Then,
$$t = (x_i - \bar{x}) / \sigma \tag{6}$$

With the variate (x_i) specified as 3500 ft/sec, calculate:

$$t = (3500 - 2100)/650 = 2.15$$

Find the percentile from the tables in appendix A, where skewness (rows) is 0.9 and t (columns) = 2.15. The percentile is 0.9668. This means that approximately 97 percent of all descent velocities occurring at 20,000 feet altitude are less than 3500 ft/sec. Alternatively, only approximately 3% are greater than 3500 ft/sec.

(b) In appendix A, look up the t value for skewness of 0.9 and probability of 0.99. The t value from the table is 2.96.

Working backwards using equation 6, calculate descent velocity as

$$2100 + 2.96 (650) = 4024 \text{ ft/sec.}$$

When an airplane is descending through 20,000 feet altitude, only 1 percent of all descent velocities will be greater than 4024 ft/sec.

3.2 GENERATING TABLES.

Table 1 shows an example of how Excel can be used to recreate part of Table F-2 from EM 1110-2-14151.

TABLE 1. EXAMPLE USING THE EXCEL INVERSE GAMMA DISTRIBUTION FUNCTION TO CALCULATE PEARSON TYPE III VARIATES

	A	B	C	D	E	F	G	H
1	%		99	95	90	80	50	20
2	skew							
3	0		-2.32635	-1.64485	-1.28155	-0.84162	5.47E-10	0.841621
4								
5	0.5	16	8.181087	10.03596	11.1353	12.57389	15.66793	19.23316
6			-1.95473	-1.49101	-1.21618	-0.85653	-0.08302	0.808289
7	1	4	0.823247	1.366316	1.74477	2.296788	3.672062	5.515044
8			-1.58838	-1.31684	-1.12761	-0.85161	-0.16397	0.757522
9	1.5	1.777778	0.102968	0.270111	0.420305	0.67756	1.457826	2.698453
10			-1.25611	-1.13075	-1.0181	-0.82516	-0.23996	0.690506
11	2	1	0.01005	0.051293	0.10536	0.223143	0.693148	1.609437
12			-0.98995	-0.94871	-0.89464	-0.77686	-0.30685	0.609437
13	2.5	0.64	0.000635	0.007883	0.023506	0.071468	0.35206	1.054314
14			-0.79921	-0.79015	-0.77062	-0.71067	-0.35992	0.517892
15	3	0.444444	2.41E-05	0.0009	0.004293	0.020651	0.180753	0.724713
16			-0.66663	-0.66532	-0.66023	-0.63569	-0.39554	0.420402

The percent exceedance is given in the first row. The variates for skewness equal to 0 are standard normal variates. Column 2 contains the appropriate value of α as determined from the skewness, which is in column 1. The first row for each value of skewness is the inverse of the Gamma distribution. The values are standardized in the second row by subtracting the mean and dividing by the standard deviation.

The steps to produce the Pearson Type III variates listed in table 1 are:

1. Enter the exceedance percentages in different columns in the first row and the skewness values in different rows in the first column, skipping rows between skewness values.
2. Use the normal distribution function for 0 skewness. For example, the formula in cell C1 is =NORMSINV(1-C1/100).
3. For nonzero skewness, the alpha parameter of the Gamma distribution must be calculated as 4 divided by the skewness squared. The formula for cell B5 would be =4/A5^2.
4. The Gamma variates are determined with the Gamma function in Excel using the value 1 for the beta parameter. The formula for cell C5 in Excel would be GAMMAINV(1-C5/100,\$B5,1). Note that exceedance percentage must be converted to cumulative probability by subtracting percentage divided by 100 from 1.
5. The Gamma variates are then standardized by subtracting the mean and dividing by the standard deviation to get the Pearson Type III variates. The formula in cell C6 is =(C5-\$B5)/SQRT(\$B5).

3.3 GENERATING EXCEEDANCE CURVES.

Another common use of the Pearson distribution in aviation is to derive exceedance curves for various environmental phenomena such as wind speed at landing. Figures 1 and 2 show histograms of wind speed at landing for flights involving Bombardier CRJ100 aircraft in various uses at various airports, as reported by Rustenburg, et al. [7]. Figure 1 contains a histogram of wind speed parallel to the landing direction, and figure 2 summarizes the wind speeds perpendicular to the landing direction. Wind speeds parallel to the runway are moderately skewed to the right, while wind speeds perpendicular to the runway are nearly symmetric with a slight negative skewness.

The fit to the Pearson Type III, or Gamma, distribution is illustrated in figures 3 and 4, which are probability plots of the observed wind speeds. Probability plots are plots of the observed cumulative distribution of wind speed with the cumulative probability transformed so the plot will be close to a straight line if the data come from the target distribution. The straight lines in figures 3 and 4 use the Pearson distribution that is fit to the data as described earlier, and the points use frequency counts from the data set for the cumulative probability. The data in both figures show a good fit to the Pearson Type III model.

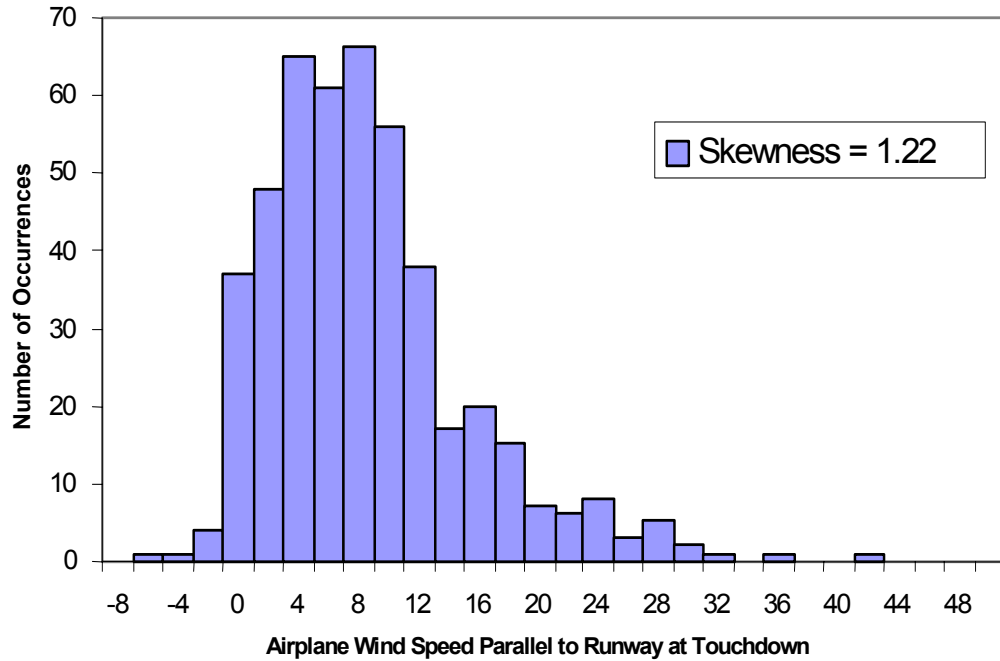


FIGURE 1. HISTOGRAM OF WIND SPEED PARALLEL TO THE RUNWAY AT TOUCHDOWN

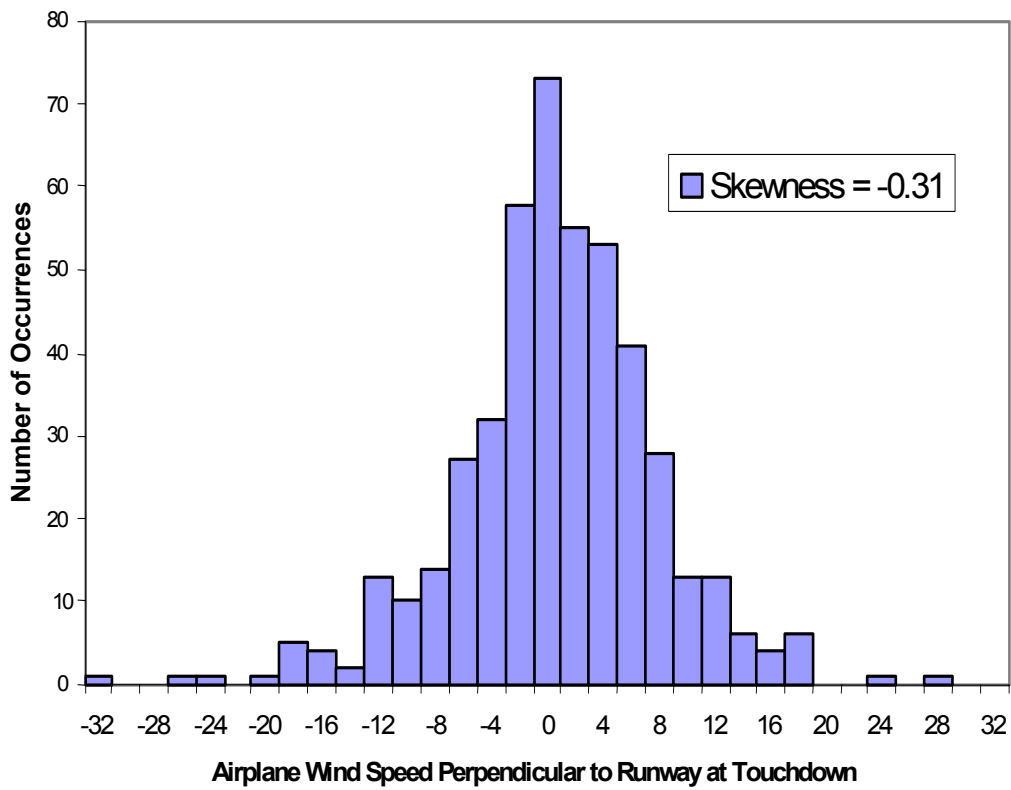


FIGURE 2. HISTOGRAM OF WIND SPEED PERPENDICULAR TO THE RUNWAY AT TOUCHDOWN

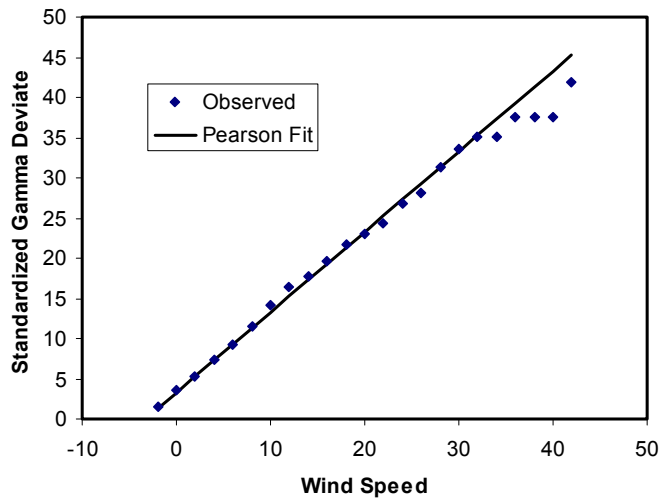


FIGURE 3. PEARSON TYPE III PROBABILITY PLOT OF WIND SPEED PARALLEL TO THE RUNWAY

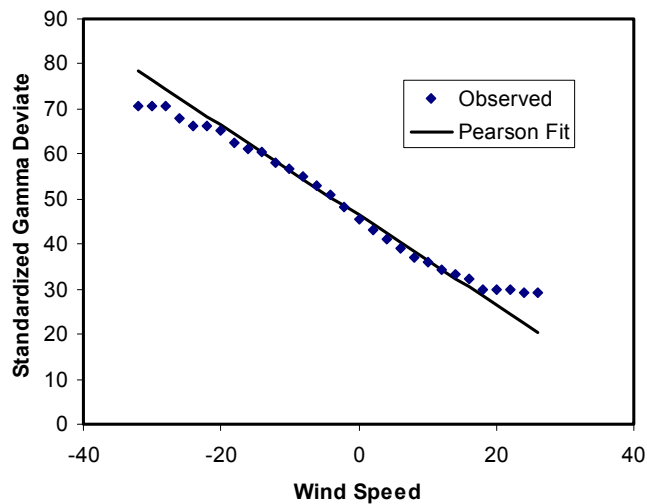


FIGURE 4. PEARSON TYPE III PROBABILITY PLOT OF WIND SPEED PERPENDICULAR TO THE RUNWAY

To generate the probability plot for wind speed data:

1. Start with the frequency table used for the histogram and create a column of cumulative frequency and then create a column of relative cumulative frequency, which is cumulative frequency divided by the sample size.
2. Use the inverse Gamma distribution function (GAMMAINV) applied to relative cumulative frequency with the Gamma parameters that were fit to the data to create standardized Gamma deviates for the data.

3. Generate a column of estimated cumulative frequency using the estimated Gamma parameters and then use the inverse Gamma distribution as in step 2 to create estimated standardized Gamma deviates.
4. Plot the estimated standardized deviates versus the wind speeds as a line and the standardized deviates for the data versus wind speed as points.

After verifying that the Pearson Type III, or Gamma distribution, provides a reasonable fit to the data, an exceedance probability curve can be generated with the estimated values of the parameters. Figures 5 and 6 show the exceedance probability curves for the wind speed data.

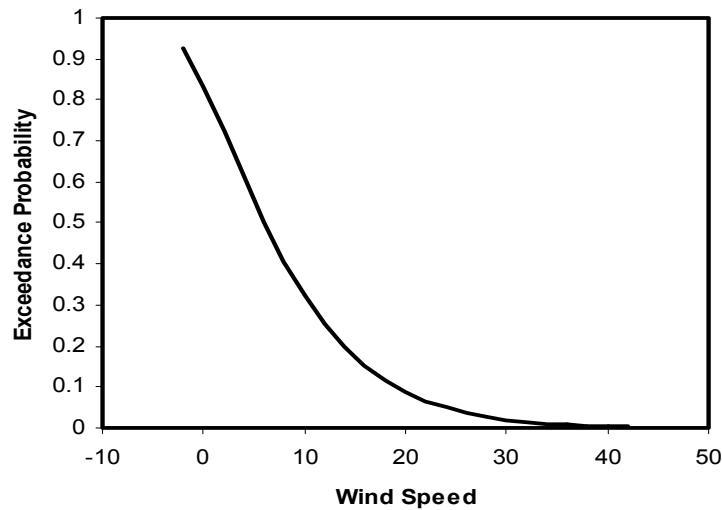


FIGURE 5. EXCEEDANCE PROBABILITY FOR WIND SPEED PARALLEL TO THE RUNWAY

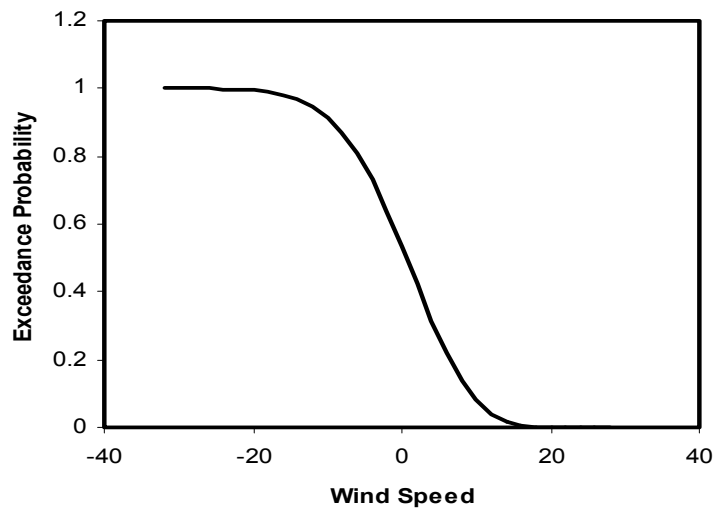


FIGURE 6. EXCEEDANCE PROBABILITY FOR WIND SPEED PERPENDICULAR TO THE RUNWAY

The steps for generating exceedance probability curves in Excel are:

1. Use the descriptive statistics routine in the data analysis tool pack or the built-in functions to calculate the mean, standard deviation, and coefficient of skewness for the data and use these to estimate α , β , and γ using the formulas given above. Store α , β , and γ in cells A1, B1, and C1. (Any three cells will do, A1, B1, and C1 are specified here for clarity in the formulas.)
2. Prepare a column, say D in the Excel spreadsheet, of plotting values for the variable, in this case wind speed. These can be the values from the histogram table or any convenient set of values.
3. Calculate exceedance probabilities in column E using the formula =1-GAMMADIST(D1-\$C\$1,A1,B1) copied down the whole range of values in column D.
4. Plot column E as the y values and column D as the x values.

4. CONCLUDING REMARKS.

For the most part, modern statistical practice has all but eliminated the Pearson system of distribution functions from common usage. The individual types have been studied on their own merits rather than as specific cases of the Pearson system. In particular, the Pearson Type III, a three-parameter Gamma distribution, is used in a number of engineering research fields. This report has demonstrated how the built-in functions, resident within modern computing tools, can be used to generate standard Pearson Type III deviates and exceedance probabilities with specific examples using Microsoft Excel. This report further demonstrates the relative ease with which even a novice can easily fit and present statistical results and make probabilistic predictions of data derived from a nonsymmetric distribution.

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APPENDIX A—CUMULATIVE PROBABILITY OF THE STANDARDIZED PEARSON
TYPE III DISTRIBUTION

SKEWNESS

t	0.0	0.1	0.2	0.3	0.4	0.5	t
-5.00	0.000000						-5.00
-4.99	0.000000						-4.99
-4.98	0.000000						-4.98
-4.97	0.000000						-4.97
-4.96	0.000000						-4.96
-4.95	0.000000						-4.95
-4.94	0.000000						-4.94
-4.93	0.000000						-4.93
-4.92	0.000000						-4.92
-4.91	0.000000						-4.91
-4.90	0.000000						-4.90
-4.89	0.000001						-4.89
-4.88	0.000001						-4.88
-4.87	0.000001						-4.87
-4.86	0.000001						-4.86
-4.85	0.000001						-4.85
-4.84	0.000001						-4.84
-4.83	0.000001						-4.83
-4.82	0.000001						-4.82
-4.81	0.000001						-4.81
-4.80	0.000001						-4.80
-4.79	0.000001						-4.79
-4.78	0.000001						-4.78
-4.77	0.000001						-4.77
-4.76	0.000001						-4.76
-4.75	0.000001						-4.75
-4.74	0.000001						-4.74
-4.73	0.000001						-4.73
-4.72	0.000001						-4.72
-4.71	0.000001						-4.71
-4.70	0.000001						-4.70
-4.69	0.000001						-4.69
-4.68	0.000001						-4.68
-4.67	0.000002						-4.67
-4.66	0.000002						-4.66
-4.65	0.000002						-4.65
-4.64	0.000002						-4.64
-4.63	0.000002						-4.63
-4.62	0.000002						-4.62
-4.61	0.000002						-4.61
-4.60	0.000002						-4.60
-4.59	0.000002						-4.59
-4.58	0.000002						-4.58
-4.57	0.000002						-4.57
-4.56	0.000003						-4.56
-4.55	0.000003						-4.55
-4.54	0.000003						-4.54
-4.53	0.000003						-4.53
-4.52	0.000003						-4.52
-4.51	0.000003						-4.51
-4.50	0.000003						-4.50

SKEWNESS

t	0.6	0.7	0.8	0.9	1	1.1	t
-5.00							-5.00
-4.99							-4.99
-4.98							-4.98
-4.97							-4.97
-4.96							-4.96
-4.95							-4.95
-4.94							-4.94
-4.93							-4.93
-4.92							-4.92
-4.91							-4.91
-4.90							-4.90
-4.89							-4.89
-4.88							-4.88
-4.87							-4.87
-4.86							-4.86
-4.85							-4.85
-4.84							-4.84
-4.83							-4.83
-4.82							-4.82
-4.81							-4.81
-4.80							-4.80
-4.79							-4.79
-4.78							-4.78
-4.77							-4.77
-4.76							-4.76
-4.75							-4.75
-4.74							-4.74
-4.73							-4.73
-4.72							-4.72
-4.71							-4.71
-4.70							-4.70
-4.69							-4.69
-4.68							-4.68
-4.67							-4.67
-4.66							-4.66
-4.65							-4.65
-4.64							-4.64
-4.63							-4.63
-4.62							-4.62
-4.61							-4.61
-4.60							-4.60
-4.59							-4.59
-4.58							-4.58
-4.57							-4.57
-4.56							-4.56
-4.55							-4.55
-4.54							-4.54
-4.53							-4.53
-4.52							-4.52
-4.51							-4.51
-4.50							-4.50

SKEWNESS

t	0.0	0.1	0.2	0.3	0.4	0.5	t
-4.50	0.000003	0.000001	0.000000	0.000000	0.000000		-4.50
-4.49	0.000004	0.000001	0.000000	0.000000	0.000000		-4.49
-4.48	0.000004	0.000001	0.000000	0.000000	0.000000		-4.48
-4.47	0.000004	0.000001	0.000000	0.000000	0.000000		-4.47
-4.46	0.000004	0.000001	0.000000	0.000000	0.000000		-4.46
-4.45	0.000004	0.000001	0.000000	0.000000	0.000000		-4.45
-4.44	0.000004	0.000001	0.000000	0.000000	0.000000		-4.44
-4.43	0.000005	0.000001	0.000000	0.000000	0.000000		-4.43
-4.42	0.000005	0.000001	0.000000	0.000000	0.000000		-4.42
-4.41	0.000005	0.000001	0.000000	0.000000	0.000000		-4.41
-4.40	0.000005	0.000001	0.000000	0.000000	0.000000		-4.40
-4.39	0.000006	0.000001	0.000000	0.000000	0.000000		-4.39
-4.38	0.000006	0.000001	0.000000	0.000000	0.000000		-4.38
-4.37	0.000006	0.000001	0.000000	0.000000	0.000000		-4.37
-4.36	0.000007	0.000001	0.000000	0.000000	0.000000		-4.36
-4.35	0.000007	0.000001	0.000000	0.000000	0.000000		-4.35
-4.34	0.000007	0.000001	0.000000	0.000000	0.000000		-4.34
-4.33	0.000007	0.000001	0.000000	0.000000	0.000000		-4.33
-4.32	0.000008	0.000002	0.000000	0.000000	0.000000		-4.32
-4.31	0.000008	0.000002	0.000000	0.000000	0.000000		-4.31
-4.30	0.000009	0.000002	0.000000	0.000000	0.000000		-4.30
-4.29	0.000009	0.000002	0.000000	0.000000	0.000000		-4.29
-4.28	0.000009	0.000002	0.000000	0.000000	0.000000		-4.28
-4.27	0.000010	0.000002	0.000000	0.000000	0.000000		-4.27
-4.26	0.000010	0.000002	0.000000	0.000000	0.000000		-4.26
-4.25	0.000011	0.000002	0.000000	0.000000	0.000000		-4.25
-4.24	0.000011	0.000002	0.000000	0.000000	0.000000		-4.24
-4.23	0.000012	0.000003	0.000000	0.000000	0.000000		-4.23
-4.22	0.000012	0.000003	0.000000	0.000000	0.000000		-4.22
-4.21	0.000013	0.000003	0.000000	0.000000	0.000000		-4.21
-4.20	0.000013	0.000003	0.000000	0.000000	0.000000		-4.20
-4.19	0.000014	0.000003	0.000000	0.000000	0.000000		-4.19
-4.18	0.000015	0.000003	0.000000	0.000000	0.000000		-4.18
-4.17	0.000015	0.000004	0.000000	0.000000	0.000000		-4.17
-4.16	0.000016	0.000004	0.000000	0.000000	0.000000		-4.16
-4.15	0.000017	0.000004	0.000001	0.000000	0.000000		-4.15
-4.14	0.000017	0.000004	0.000001	0.000000	0.000000		-4.14
-4.13	0.000018	0.000005	0.000001	0.000000	0.000000		-4.13
-4.12	0.000019	0.000005	0.000001	0.000000	0.000000		-4.12
-4.11	0.000020	0.000005	0.000001	0.000000	0.000000		-4.11
-4.10	0.000021	0.000005	0.000001	0.000000	0.000000		-4.10
-4.09	0.000022	0.000006	0.000001	0.000000	0.000000		-4.09
-4.08	0.000023	0.000006	0.000001	0.000000	0.000000		-4.08
-4.07	0.000024	0.000006	0.000001	0.000000	0.000000		-4.07
-4.06	0.000025	0.000007	0.000001	0.000000	0.000000		-4.06
-4.05	0.000026	0.000007	0.000001	0.000000	0.000000		-4.05
-4.04	0.000027	0.000007	0.000001	0.000000	0.000000		-4.04
-4.03	0.000028	0.000008	0.000001	0.000000	0.000000		-4.03
-4.02	0.000029	0.000008	0.000001	0.000000	0.000000		-4.02
-4.01	0.000030	0.000009	0.000001	0.000000	0.000000		-4.01
-4.00	0.000032	0.000009	0.000001	0.000000	0.000000		-4.00

SKEWNESS

t	0.6	0.7	0.8	0.9	1	1.1	t
-4.50							-4.50
-4.49							-4.49
-4.48							-4.48
-4.47							-4.47
-4.46							-4.46
-4.45							-4.45
-4.44							-4.44
-4.43							-4.43
-4.42							-4.42
-4.41							-4.41
-4.40							-4.40
-4.39							-4.39
-4.38							-4.38
-4.37							-4.37
-4.36							-4.36
-4.35							-4.35
-4.34							-4.34
-4.33							-4.33
-4.32							-4.32
-4.31							-4.31
-4.30							-4.30
-4.29							-4.29
-4.28							-4.28
-4.27							-4.27
-4.26							-4.26
-4.25							-4.25
-4.24							-4.24
-4.23							-4.23
-4.22							-4.22
-4.21							-4.21
-4.20							-4.20
-4.19							-4.19
-4.18							-4.18
-4.17							-4.17
-4.16							-4.16
-4.15							-4.15
-4.14							-4.14
-4.13							-4.13
-4.12							-4.12
-4.11							-4.11
-4.10							-4.10
-4.09							-4.09
-4.08							-4.08
-4.07							-4.07
-4.06							-4.06
-4.05							-4.05
-4.04							-4.04
-4.03							-4.03
-4.02							-4.02
-4.01							-4.01
-4.00							-4.00

SKEWNESS

t	0.0	0.1	0.2	0.3	0.4	0.5	t
-4.00	0.000032	0.000009	0.000001	0.000000	0.000000	0.000000	-4.00
-3.99	0.000033	0.000010	0.000002	0.000000	0.000000	0.000000	-3.99
-3.98	0.000034	0.000010	0.000002	0.000000	0.000000	0.000000	-3.98
-3.97	0.000036	0.000011	0.000002	0.000000	0.000000	0.000000	-3.97
-3.96	0.000037	0.000011	0.000002	0.000000	0.000000	0.000000	-3.96
-3.95	0.000039	0.000012	0.000002	0.000000	0.000000	0.000000	-3.95
-3.94	0.000041	0.000012	0.000002	0.000000	0.000000	0.000000	-3.94
-3.93	0.000042	0.000013	0.000002	0.000000	0.000000	0.000000	-3.93
-3.92	0.000044	0.000014	0.000003	0.000000	0.000000	0.000000	-3.92
-3.91	0.000046	0.000014	0.000003	0.000000	0.000000	0.000000	-3.91
-3.90	0.000048	0.000015	0.000003	0.000000	0.000000	0.000000	-3.90
-3.89	0.000050	0.000016	0.000003	0.000000	0.000000	0.000000	-3.89
-3.88	0.000052	0.000017	0.000003	0.000000	0.000000	0.000000	-3.88
-3.87	0.000054	0.000018	0.000004	0.000000	0.000000	0.000000	-3.87
-3.86	0.000057	0.000019	0.000004	0.000000	0.000000	0.000000	-3.86
-3.85	0.000059	0.000020	0.000004	0.000000	0.000000	0.000000	-3.85
-3.84	0.000062	0.000021	0.000004	0.000000	0.000000	0.000000	-3.84
-3.83	0.000064	0.000022	0.000005	0.000000	0.000000	0.000000	-3.83
-3.82	0.000067	0.000023	0.000005	0.000000	0.000000	0.000000	-3.82
-3.81	0.000069	0.000024	0.000005	0.000000	0.000000	0.000000	-3.81
-3.80	0.000072	0.000025	0.000006	0.000001	0.000000	0.000000	-3.80
-3.79	0.000075	0.000026	0.000006	0.000001	0.000000	0.000000	-3.79
-3.78	0.000078	0.000028	0.000006	0.000001	0.000000	0.000000	-3.78
-3.77	0.000082	0.000029	0.000007	0.000001	0.000000	0.000000	-3.77
-3.76	0.000085	0.000031	0.000007	0.000001	0.000000	0.000000	-3.76
-3.75	0.000088	0.000032	0.000008	0.000001	0.000000	0.000000	-3.75
-3.74	0.000092	0.000034	0.000008	0.000001	0.000000	0.000000	-3.74
-3.73	0.000096	0.000035	0.000009	0.000001	0.000000	0.000000	-3.73
-3.72	0.000100	0.000037	0.000009	0.000001	0.000000	0.000000	-3.72
-3.71	0.000104	0.000039	0.000010	0.000001	0.000000	0.000000	-3.71
-3.70	0.000108	0.000041	0.000010	0.000001	0.000000	0.000000	-3.70
-3.69	0.000112	0.000043	0.000011	0.000001	0.000000	0.000000	-3.69
-3.68	0.000117	0.000045	0.000012	0.000002	0.000000	0.000000	-3.68
-3.67	0.000121	0.000047	0.000012	0.000002	0.000000	0.000000	-3.67
-3.66	0.000126	0.000049	0.000013	0.000002	0.000000	0.000000	-3.66
-3.65	0.000131	0.000052	0.000014	0.000002	0.000000	0.000000	-3.65
-3.64	0.000136	0.000054	0.000015	0.000002	0.000000	0.000000	-3.64
-3.63	0.000142	0.000057	0.000016	0.000002	0.000000	0.000000	-3.63
-3.62	0.000147	0.000060	0.000017	0.000002	0.000000	0.000000	-3.62
-3.61	0.000153	0.000062	0.000018	0.000003	0.000000	0.000000	-3.61
-3.60	0.000159	0.000065	0.000019	0.000003	0.000000	0.000000	-3.60
-3.59	0.000165	0.000068	0.000020	0.000003	0.000000	0.000000	-3.59
-3.58	0.000172	0.000072	0.000021	0.000003	0.000000	0.000000	-3.58
-3.57	0.000178	0.000075	0.000023	0.000004	0.000000	0.000000	-3.57
-3.56	0.000185	0.000079	0.000024	0.000004	0.000000	0.000000	-3.56
-3.55	0.000193	0.000082	0.000025	0.000004	0.000000	0.000000	-3.55
-3.54	0.000200	0.000086	0.000027	0.000005	0.000000	0.000000	-3.54
-3.53	0.000208	0.000090	0.000028	0.000005	0.000000	0.000000	-3.53
-3.52	0.000216	0.000094	0.000030	0.000005	0.000000	0.000000	-3.52
-3.51	0.000224	0.000099	0.000032	0.000006	0.000000	0.000000	-3.51
-3.50	0.000233	0.000103	0.000034	0.000006	0.000000	0.000000	-3.50

SKEWNESS

t	0.6	0.7	0.8	0.9	1	1.1	t
-4.00							-4.00
-3.99							-3.99
-3.98							-3.98
-3.97							-3.97
-3.96							-3.96
-3.95							-3.95
-3.94							-3.94
-3.93							-3.93
-3.92							-3.92
-3.91							-3.91
-3.90							-3.90
-3.89							-3.89
-3.88							-3.88
-3.87							-3.87
-3.86							-3.86
-3.85							-3.85
-3.84							-3.84
-3.83							-3.83
-3.82							-3.82
-3.81							-3.81
-3.80							-3.80
-3.79							-3.79
-3.78							-3.78
-3.77							-3.77
-3.76							-3.76
-3.75							-3.75
-3.74							-3.74
-3.73							-3.73
-3.72							-3.72
-3.71							-3.71
-3.70							-3.70
-3.69							-3.69
-3.68							-3.68
-3.67							-3.67
-3.66							-3.66
-3.65							-3.65
-3.64							-3.64
-3.63							-3.63
-3.62							-3.62
-3.61							-3.61
-3.60							-3.60
-3.59							-3.59
-3.58							-3.58
-3.57							-3.57
-3.56							-3.56
-3.55							-3.55
-3.54							-3.54
-3.53							-3.53
-3.52							-3.52
-3.51							-3.51
-3.50							-3.50

SKEWNESS

t	0.0	0.1	0.2	0.3	0.4	0.5	t
-3.50	0.000233	0.000103	0.000034	0.000006	0.000000	0.000000	-3.50
-3.49	0.000242	0.000108	0.000036	0.000007	0.000000	0.000000	-3.49
-3.48	0.000251	0.000113	0.000038	0.000007	0.000000	0.000000	-3.48
-3.47	0.000260	0.000118	0.000040	0.000008	0.000001	0.000000	-3.47
-3.46	0.000270	0.000123	0.000042	0.000009	0.000001	0.000000	-3.46
-3.45	0.000280	0.000129	0.000045	0.000009	0.000001	0.000000	-3.45
-3.44	0.000291	0.000135	0.000047	0.000010	0.000001	0.000000	-3.44
-3.43	0.000302	0.000141	0.000050	0.000011	0.000001	0.000000	-3.43
-3.42	0.000313	0.000147	0.000053	0.000012	0.000001	0.000000	-3.42
-3.41	0.000325	0.000154	0.000056	0.000012	0.000001	0.000000	-3.41
-3.40	0.000337	0.000161	0.000059	0.000013	0.000001	0.000000	-3.40
-3.39	0.000349	0.000168	0.000062	0.000014	0.000001	0.000000	-3.39
-3.38	0.000362	0.000175	0.000065	0.000015	0.000001	0.000000	-3.38
-3.37	0.000376	0.000183	0.000069	0.000017	0.000002	0.000000	-3.37
-3.36	0.000390	0.000191	0.000073	0.000018	0.000002	0.000000	-3.36
-3.35	0.000404	0.000199	0.000077	0.000019	0.000002	0.000000	-3.35
-3.34	0.000419	0.000208	0.000081	0.000021	0.000002	0.000000	-3.34
-3.33	0.000434	0.000217	0.000085	0.000022	0.000002	0.000000	-3.33
-3.32	0.000450	0.000227	0.000090	0.000024	0.000003	0.000000	-3.32
-3.31	0.000466	0.000236	0.000095	0.000025	0.000003	0.000000	-3.31
-3.30	0.000483	0.000247	0.000100	0.000027	0.000003	0.000000	-3.30
-3.29	0.000501	0.000257	0.000105	0.000029	0.000004	0.000000	-3.29
-3.28	0.000519	0.000268	0.000110	0.000031	0.000004	0.000000	-3.28
-3.27	0.000538	0.000280	0.000116	0.000033	0.000004	0.000000	-3.27
-3.26	0.000557	0.000292	0.000122	0.000035	0.000005	0.000000	-3.26
-3.25	0.000577	0.000304	0.000129	0.000038	0.000005	0.000000	-3.25
-3.24	0.000598	0.000317	0.000135	0.000040	0.000006	0.000000	-3.24
-3.23	0.000619	0.000330	0.000143	0.000043	0.000007	0.000000	-3.23
-3.22	0.000641	0.000344	0.000150	0.000046	0.000007	0.000000	-3.22
-3.21	0.000664	0.000359	0.000158	0.000049	0.000008	0.000000	-3.21
-3.20	0.000687	0.000374	0.000166	0.000052	0.000009	0.000000	-3.20
-3.19	0.000711	0.000389	0.000174	0.000056	0.000009	0.000000	-3.19
-3.18	0.000736	0.000405	0.000183	0.000059	0.000010	0.000000	-3.18
-3.17	0.000762	0.000422	0.000192	0.000063	0.000011	0.000000	-3.17
-3.16	0.000789	0.000439	0.000202	0.000067	0.000012	0.000001	-3.16
-3.15	0.000816	0.000457	0.000212	0.000072	0.000014	0.000001	-3.15
-3.14	0.000845	0.000476	0.000222	0.000076	0.000015	0.000001	-3.14
-3.13	0.000874	0.000495	0.000234	0.000081	0.000016	0.000001	-3.13
-3.12	0.000904	0.000516	0.000245	0.000087	0.000018	0.000001	-3.12
-3.11	0.000935	0.000536	0.000257	0.000092	0.000019	0.000001	-3.11
-3.10	0.000968	0.000558	0.000270	0.000098	0.000021	0.000001	-3.10
-3.09	0.001001	0.000580	0.000283	0.000104	0.000023	0.000002	-3.09
-3.08	0.001035	0.000604	0.000297	0.000110	0.000025	0.000002	-3.08
-3.07	0.001070	0.000628	0.000311	0.000117	0.000027	0.000002	-3.07
-3.06	0.001107	0.000653	0.000326	0.000124	0.000029	0.000002	-3.06
-3.05	0.001144	0.000679	0.000342	0.000132	0.000032	0.000003	-3.05
-3.04	0.001183	0.000705	0.000358	0.000140	0.000034	0.000003	-3.04
-3.03	0.001223	0.000733	0.000375	0.000148	0.000037	0.000003	-3.03
-3.02	0.001264	0.000762	0.000393	0.000157	0.000040	0.000004	-3.02
-3.01	0.001306	0.000792	0.000411	0.000167	0.000043	0.000004	-3.01
-3.00	0.001350	0.000823	0.000430	0.000177	0.000047	0.000005	-3.00

t	0.6	0.7	0.8	0.9	1	1.1	t
-3.50							-3.50
-3.49							-3.49
-3.48							-3.48
-3.47							-3.47
-3.46							-3.46
-3.45							-3.45
-3.44							-3.44
-3.43							-3.43
-3.42							-3.42
-3.41							-3.41
-3.40							-3.40
-3.39							-3.39
-3.38							-3.38
-3.37							-3.37
-3.36							-3.36
-3.35							-3.35
-3.34							-3.34
-3.33	0.000000						-3.33
-3.32	0.000000						-3.32
-3.31	0.000000						-3.31
-3.30	0.000000						-3.30
-3.29	0.000000						-3.29
-3.28	0.000000						-3.28
-3.27	0.000000						-3.27
-3.26	0.000000						-3.26
-3.25	0.000000						-3.25
-3.24	0.000000						-3.24
-3.23	0.000000						-3.23
-3.22	0.000000						-3.22
-3.21	0.000000						-3.21
-3.20	0.000000						-3.20
-3.19	0.000000						-3.19
-3.18	0.000000						-3.18
-3.17	0.000000						-3.17
-3.16	0.000000						-3.16
-3.15	0.000000						-3.15
-3.14	0.000000						-3.14
-3.13	0.000000						-3.13
-3.12	0.000000						-3.12
-3.11	0.000000						-3.11
-3.10	0.000000						-3.10
-3.09	0.000000						-3.09
-3.08	0.000000						-3.08
-3.07	0.000000						-3.07
-3.06	0.000000						-3.06
-3.05	0.000000						-3.05
-3.04	0.000000						-3.04
-3.03	0.000000						-3.03
-3.02	0.000000						-3.02
-3.01	0.000000						-3.01
-3.00	0.000000						-3.00

SKEWNESS

t	0.0	0.1	0.2	0.3	0.4	0.5	t
-3.00	0.001350	0.000823	0.000430	0.000177	0.000047	0.000005	-3.00
-2.99	0.001395	0.000854	0.000450	0.000187	0.000051	0.000006	-2.99
-2.98	0.001441	0.000888	0.000471	0.000198	0.000055	0.000006	-2.98
-2.97	0.001489	0.000922	0.000493	0.000209	0.000059	0.000007	-2.97
-2.96	0.001538	0.000957	0.000516	0.000222	0.000064	0.000008	-2.96
-2.95	0.001589	0.000994	0.000540	0.000234	0.000069	0.000009	-2.95
-2.94	0.001641	0.001032	0.000564	0.000248	0.000074	0.000010	-2.94
-2.93	0.001695	0.001071	0.000590	0.000262	0.000080	0.000011	-2.93
-2.92	0.001750	0.001111	0.000617	0.000277	0.000086	0.000012	-2.92
-2.91	0.001807	0.001153	0.000644	0.000292	0.000092	0.000014	-2.91
-2.90	0.001866	0.001197	0.000673	0.000309	0.000099	0.000016	-2.90
-2.89	0.001926	0.001242	0.000703	0.000326	0.000107	0.000017	-2.89
-2.88	0.001988	0.001288	0.000735	0.000344	0.000115	0.000019	-2.88
-2.87	0.002052	0.001336	0.000767	0.000363	0.000123	0.000021	-2.87
-2.86	0.002118	0.001385	0.000801	0.000383	0.000132	0.000024	-2.86
-2.85	0.002186	0.001437	0.000836	0.000403	0.000141	0.000026	-2.85
-2.84	0.002256	0.001489	0.000873	0.000425	0.000152	0.000029	-2.84
-2.83	0.002327	0.001544	0.000911	0.000448	0.000162	0.000032	-2.83
-2.82	0.002401	0.001600	0.000950	0.000472	0.000174	0.000036	-2.82
-2.81	0.002477	0.001659	0.000991	0.000497	0.000186	0.000039	-2.81
-2.80	0.002555	0.001719	0.001034	0.000523	0.000199	0.000043	-2.80
-2.79	0.002635	0.001781	0.001078	0.000551	0.000212	0.000048	-2.79
-2.78	0.002718	0.001845	0.001124	0.000580	0.000227	0.000052	-2.78
-2.77	0.002803	0.001911	0.001171	0.000610	0.000242	0.000057	-2.77
-2.76	0.002890	0.001980	0.001220	0.000641	0.000258	0.000063	-2.76
-2.75	0.002980	0.002050	0.001272	0.000674	0.000276	0.000069	-2.75
-2.74	0.003072	0.002123	0.001325	0.000709	0.000294	0.000076	-2.74
-2.73	0.003167	0.002198	0.001380	0.000744	0.000313	0.000083	-2.73
-2.72	0.003264	0.002275	0.001437	0.000782	0.000334	0.000090	-2.72
-2.71	0.003364	0.002355	0.001496	0.000821	0.000355	0.000099	-2.71
-2.70	0.003467	0.002437	0.001557	0.000862	0.000378	0.000108	-2.70
-2.69	0.003573	0.002522	0.001621	0.000905	0.000402	0.000117	-2.69
-2.68	0.003681	0.002610	0.001687	0.000949	0.000427	0.000128	-2.68
-2.67	0.003793	0.002700	0.001755	0.000996	0.000454	0.000139	-2.67
-2.66	0.003907	0.002793	0.001826	0.001044	0.000482	0.000151	-2.66
-2.65	0.004025	0.002889	0.001899	0.001095	0.000512	0.000164	-2.65
-2.64	0.004145	0.002987	0.001975	0.001148	0.000543	0.000177	-2.64
-2.63	0.004269	0.003089	0.002053	0.001203	0.000576	0.000192	-2.63
-2.62	0.004396	0.003194	0.002134	0.001260	0.000611	0.000208	-2.62
-2.61	0.004527	0.003302	0.002218	0.001320	0.000647	0.000225	-2.61
-2.60	0.004661	0.003413	0.002305	0.001382	0.000686	0.000244	-2.60
-2.59	0.004799	0.003528	0.002395	0.001446	0.000726	0.000263	-2.59
-2.58	0.004940	0.003645	0.002488	0.001514	0.000768	0.000284	-2.58
-2.57	0.005085	0.003767	0.002584	0.001584	0.000813	0.000306	-2.57
-2.56	0.005234	0.003892	0.002683	0.001656	0.000860	0.000330	-2.56
-2.55	0.005386	0.004020	0.002786	0.001732	0.000909	0.000356	-2.55
-2.54	0.005543	0.004152	0.002892	0.001811	0.000960	0.000383	-2.54
-2.53	0.005703	0.004288	0.003001	0.001892	0.001014	0.000411	-2.53
-2.52	0.005868	0.004429	0.003115	0.001977	0.001071	0.000442	-2.52
-2.51	0.006037	0.004573	0.003232	0.002066	0.001130	0.000475	-2.51
-2.50	0.006210	0.004721	0.003352	0.002157	0.001192	0.000509	-2.50

SKEWNESS

t	0.6	0.7	0.8	0.9	1	1.1	t
-3.00	0.000000						-3.00
-2.99	0.000000						-2.99
-2.98	0.000000						-2.98
-2.97	0.000000						-2.97
-2.96	0.000000						-2.96
-2.95	0.000000						-2.95
-2.94	0.000000						-2.94
-2.93	0.000000						-2.93
-2.92	0.000000						-2.92
-2.91	0.000000						-2.91
-2.90	0.000000						-2.90
-2.89	0.000000						-2.89
-2.88	0.000000						-2.88
-2.87	0.000001						-2.87
-2.86	0.000001						-2.86
-2.85	0.000001	0.000000					-2.85
-2.84	0.000001	0.000000					-2.84
-2.83	0.000001	0.000000					-2.83
-2.82	0.000002	0.000000					-2.82
-2.81	0.000002	0.000000					-2.81
-2.80	0.000002	0.000000					-2.80
-2.79	0.000003	0.000000					-2.79
-2.78	0.000003	0.000000					-2.78
-2.77	0.000004	0.000000					-2.77
-2.76	0.000004	0.000000					-2.76
-2.75	0.000005	0.000000					-2.75
-2.74	0.000006	0.000000					-2.74
-2.73	0.000007	0.000000					-2.73
-2.72	0.000008	0.000000					-2.72
-2.71	0.000010	0.000000					-2.71
-2.70	0.000011	0.000000					-2.70
-2.69	0.000013	0.000000					-2.69
-2.68	0.000015	0.000000					-2.68
-2.67	0.000017	0.000000					-2.67
-2.66	0.000020	0.000000					-2.66
-2.65	0.000023	0.000000					-2.65
-2.64	0.000026	0.000000					-2.64
-2.63	0.000029	0.000000					-2.63
-2.62	0.000033	0.000000					-2.62
-2.61	0.000038	0.000001					-2.61
-2.60	0.000042	0.000001					-2.60
-2.59	0.000048	0.000001					-2.59
-2.58	0.000054	0.000001					-2.58
-2.57	0.000061	0.000002					-2.57
-2.56	0.000068	0.000002					-2.56
-2.55	0.000076	0.000003					-2.55
-2.54	0.000085	0.000003					-2.54
-2.53	0.000095	0.000004					-2.53
-2.52	0.000106	0.000005					-2.52
-2.51	0.000117	0.000007					-2.51
-2.50	0.000130	0.000008					-2.50

SKEWNESS

t	0.0	0.1	0.2	0.3	0.4	0.5	t
-2.50	0.006210	0.004721	0.003352	0.002157	0.001192	0.000509	-2.50
-2.49	0.006387	0.004873	0.003477	0.002253	0.001258	0.000546	-2.49
-2.48	0.006569	0.005030	0.003606	0.002351	0.001326	0.000585	-2.48
-2.47	0.006756	0.005191	0.003739	0.002454	0.001397	0.000626	-2.47
-2.46	0.006947	0.005356	0.003876	0.002560	0.001471	0.000670	-2.46
-2.45	0.007143	0.005527	0.004017	0.002671	0.001549	0.000716	-2.45
-2.44	0.007344	0.005701	0.004163	0.002785	0.001631	0.000765	-2.44
-2.43	0.007549	0.005881	0.004314	0.002904	0.001716	0.000817	-2.43
-2.42	0.007760	0.006066	0.004469	0.003027	0.001805	0.000872	-2.42
-2.41	0.007976	0.006256	0.004629	0.003154	0.001898	0.000930	-2.41
-2.40	0.008198	0.006450	0.004794	0.003286	0.001994	0.000992	-2.40
-2.39	0.008424	0.006651	0.004964	0.003423	0.002095	0.001056	-2.39
-2.38	0.008656	0.006856	0.005140	0.003565	0.002201	0.001124	-2.38
-2.37	0.008894	0.007067	0.005320	0.003711	0.002310	0.001196	-2.37
-2.36	0.009137	0.007284	0.005507	0.003863	0.002425	0.001272	-2.36
-2.35	0.009387	0.007506	0.005698	0.004020	0.002544	0.001352	-2.35
-2.34	0.009642	0.007734	0.005896	0.004183	0.002668	0.001435	-2.34
-2.33	0.009903	0.007969	0.006099	0.004351	0.002797	0.001524	-2.33
-2.32	0.010170	0.008209	0.006308	0.004525	0.002932	0.001616	-2.32
-2.31	0.010444	0.008456	0.006523	0.004704	0.003072	0.001714	-2.31
-2.30	0.010724	0.008709	0.006745	0.004890	0.003217	0.001816	-2.30
-2.29	0.011011	0.008968	0.006973	0.005082	0.003368	0.001923	-2.29
-2.28	0.011304	0.009235	0.007208	0.005280	0.003526	0.002036	-2.28
-2.27	0.011604	0.009508	0.007449	0.005485	0.003689	0.002154	-2.27
-2.26	0.011911	0.009788	0.007698	0.005697	0.003859	0.002277	-2.26
-2.25	0.012224	0.010075	0.007953	0.005915	0.004035	0.002407	-2.25
-2.24	0.012545	0.010369	0.008215	0.006140	0.004218	0.002542	-2.24
-2.23	0.012874	0.010670	0.008485	0.006373	0.004407	0.002684	-2.23
-2.22	0.013209	0.010979	0.008762	0.006613	0.004604	0.002832	-2.22
-2.21	0.013553	0.011296	0.009047	0.006860	0.004808	0.002987	-2.21
-2.20	0.013903	0.011621	0.009340	0.007116	0.005020	0.003149	-2.20
-2.19	0.014262	0.011953	0.009641	0.007379	0.005239	0.003318	-2.19
-2.18	0.014629	0.012293	0.009950	0.007650	0.005466	0.003494	-2.18
-2.17	0.015003	0.012642	0.010267	0.007930	0.005702	0.003679	-2.17
-2.16	0.015386	0.012999	0.010593	0.008218	0.005945	0.003871	-2.16
-2.15	0.015778	0.013365	0.010927	0.008515	0.006197	0.004071	-2.15
-2.14	0.016177	0.013739	0.011271	0.008821	0.006458	0.004279	-2.14
-2.13	0.016586	0.014122	0.011623	0.009135	0.006728	0.004496	-2.13
-2.12	0.017003	0.014515	0.011984	0.009460	0.007007	0.004722	-2.12
-2.11	0.017429	0.014916	0.012355	0.009793	0.007296	0.004958	-2.11
-2.10	0.017864	0.015327	0.012736	0.010136	0.007594	0.005202	-2.10
-2.09	0.018309	0.015747	0.013126	0.010490	0.007903	0.005457	-2.09
-2.08	0.018763	0.016177	0.013526	0.010853	0.008221	0.005721	-2.08
-2.07	0.019226	0.016617	0.013936	0.011227	0.008550	0.005996	-2.07
-2.06	0.019699	0.017067	0.014357	0.011611	0.008890	0.006281	-2.06
-2.05	0.020182	0.017527	0.014788	0.012006	0.009240	0.006577	-2.05
-2.04	0.020675	0.017997	0.015230	0.012412	0.009602	0.006885	-2.04
-2.03	0.021178	0.018478	0.015683	0.012829	0.009975	0.007203	-2.03
-2.02	0.021692	0.018970	0.016147	0.013258	0.010359	0.007534	-2.02
-2.01	0.022216	0.019472	0.016622	0.013698	0.010756	0.007876	-2.01
-2.00	0.022750	0.019986	0.017108	0.014150	0.011165	0.008231	-2.00

SKEWNESS

t	0.6	0.7	0.8	0.9	1	1.1	t
-2.50	0.000130	0.000008	0.000000				-2.50
-2.49	0.000144	0.000010	0.000000				-2.49
-2.48	0.000160	0.000012	0.000000				-2.48
-2.47	0.000176	0.000015	0.000000				-2.47
-2.46	0.000195	0.000018	0.000000				-2.46
-2.45	0.000214	0.000021	0.000000				-2.45
-2.44	0.000236	0.000025	0.000000				-2.44
-2.43	0.000259	0.000030	0.000000				-2.43
-2.42	0.000284	0.000036	0.000000				-2.42
-2.41	0.000311	0.000042	0.000000				-2.41
-2.40	0.000340	0.000049	0.000000				-2.40
-2.39	0.000372	0.000057	0.000000				-2.39
-2.38	0.000406	0.000066	0.000000				-2.38
-2.37	0.000442	0.000076	0.000001				-2.37
-2.36	0.000481	0.000087	0.000001				-2.36
-2.35	0.000523	0.000100	0.000001				-2.35
-2.34	0.000569	0.000115	0.000002				-2.34
-2.33	0.000617	0.000131	0.000003				-2.33
-2.32	0.000668	0.000149	0.000004				-2.32
-2.31	0.000724	0.000169	0.000005				-2.31
-2.30	0.000783	0.000191	0.000007				-2.30
-2.29	0.000845	0.000215	0.000010				-2.29
-2.28	0.000912	0.000242	0.000013				-2.28
-2.27	0.000984	0.000271	0.000017				-2.27
-2.26	0.001060	0.000304	0.000021				-2.26
-2.25	0.001140	0.000339	0.000027				-2.25
-2.24	0.001226	0.000378	0.000034				-2.24
-2.23	0.001317	0.000421	0.000042				-2.23
-2.22	0.001413	0.000467	0.000051	0.000000			-2.22
-2.21	0.001515	0.000517	0.000062	0.000000			-2.21
-2.20	0.001623	0.000571	0.000075	0.000000			-2.20
-2.19	0.001737	0.000631	0.000091	0.000000			-2.19
-2.18	0.001857	0.000695	0.000108	0.000000			-2.18
-2.17	0.001985	0.000764	0.000128	0.000000			-2.17
-2.16	0.002119	0.000838	0.000151	0.000000			-2.16
-2.15	0.002261	0.000918	0.000178	0.000001			-2.15
-2.14	0.002410	0.001005	0.000207	0.000002			-2.14
-2.13	0.002567	0.001097	0.000241	0.000003			-2.13
-2.12	0.002732	0.001197	0.000279	0.000005			-2.12
-2.11	0.002906	0.001303	0.000321	0.000008			-2.11
-2.10	0.003088	0.001417	0.000368	0.000012			-2.10
-2.09	0.003280	0.001539	0.000421	0.000017			-2.09
-2.08	0.003481	0.001669	0.000479	0.000024			-2.08
-2.07	0.003692	0.001807	0.000543	0.000033			-2.07
-2.06	0.003912	0.001954	0.000614	0.000045			-2.06
-2.05	0.004144	0.002111	0.000692	0.000059			-2.05
-2.04	0.004386	0.002277	0.000777	0.000076			-2.04
-2.03	0.004639	0.002453	0.000870	0.000097			-2.03
-2.02	0.004903	0.002640	0.000972	0.000123			-2.02
-2.01	0.005179	0.002838	0.001083	0.000153			-2.01
-2.00	0.005468	0.003047	0.001203	0.000189			-2.00

SKEWNESS

t	0.0	0.1	0.2	0.3	0.4	0.5	t
-2.00	0.022750	0.019986	0.017108	0.014150	0.011165	0.008231	-2.00
-1.99	0.023295	0.020511	0.017607	0.014615	0.011586	0.008598	-1.99
-1.98	0.023852	0.021047	0.018117	0.015091	0.012020	0.008979	-1.98
-1.97	0.024419	0.021595	0.018639	0.015581	0.012467	0.009372	-1.97
-1.96	0.024998	0.022155	0.019174	0.016083	0.012927	0.009780	-1.96
-1.95	0.025588	0.022727	0.019721	0.016598	0.013401	0.010201	-1.95
-1.94	0.026190	0.023310	0.020281	0.017126	0.013888	0.010636	-1.94
-1.93	0.026803	0.023907	0.020854	0.017668	0.014390	0.011086	-1.93
-1.92	0.027429	0.024515	0.021439	0.018223	0.014906	0.011550	-1.92
-1.91	0.028067	0.025137	0.022039	0.018793	0.015436	0.012030	-1.91
-1.90	0.028717	0.025771	0.022652	0.019377	0.015982	0.012525	-1.90
-1.89	0.029379	0.026419	0.023278	0.019975	0.016542	0.013036	-1.89
-1.88	0.030054	0.027080	0.023919	0.020588	0.017118	0.013564	-1.88
-1.87	0.030742	0.027754	0.024573	0.021216	0.017710	0.014107	-1.87
-1.86	0.031443	0.028442	0.025243	0.021859	0.018318	0.014668	-1.86
-1.85	0.032157	0.029144	0.025926	0.022517	0.018942	0.015245	-1.85
-1.84	0.032884	0.029859	0.026625	0.023192	0.019582	0.015840	-1.84
-1.83	0.033625	0.030589	0.027339	0.023882	0.020240	0.016453	-1.83
-1.82	0.034380	0.031334	0.028068	0.024588	0.020914	0.017084	-1.82
-1.81	0.035148	0.032093	0.028812	0.025311	0.021606	0.017734	-1.81
-1.80	0.035930	0.032867	0.029572	0.026050	0.022315	0.018402	-1.80
-1.79	0.036727	0.033656	0.030349	0.026806	0.023043	0.019089	-1.79
-1.78	0.037538	0.034461	0.031141	0.027580	0.023789	0.019796	-1.78
-1.77	0.038364	0.035280	0.031949	0.028371	0.024553	0.020522	-1.77
-1.76	0.039204	0.036116	0.032775	0.029179	0.025336	0.021269	-1.76
-1.75	0.040059	0.036967	0.033617	0.030005	0.026138	0.022036	-1.75
-1.74	0.040930	0.037834	0.034475	0.030850	0.026960	0.022823	-1.74
-1.73	0.041815	0.038717	0.035352	0.031713	0.027801	0.023632	-1.73
-1.72	0.042716	0.039617	0.036245	0.032594	0.028662	0.024462	-1.72
-1.71	0.043633	0.040533	0.037157	0.033494	0.029543	0.025314	-1.71
-1.70	0.044565	0.041466	0.038086	0.034414	0.030445	0.026188	-1.70
-1.69	0.045514	0.042416	0.039033	0.035352	0.031368	0.027084	-1.69
-1.68	0.046479	0.043384	0.039999	0.036310	0.032311	0.028002	-1.68
-1.67	0.047460	0.044368	0.040983	0.037288	0.033276	0.028944	-1.67
-1.66	0.048457	0.045371	0.041985	0.038287	0.034262	0.029909	-1.66
-1.65	0.049471	0.046390	0.043007	0.039305	0.035270	0.030897	-1.65
-1.64	0.050503	0.047428	0.044048	0.040344	0.036300	0.031909	-1.64
-1.63	0.051551	0.048484	0.045108	0.041403	0.037353	0.032946	-1.63
-1.62	0.052616	0.049559	0.046188	0.042484	0.038428	0.034006	-1.62
-1.61	0.053699	0.050651	0.047288	0.043586	0.039525	0.035092	-1.61
-1.60	0.054799	0.051763	0.048407	0.044709	0.040646	0.036202	-1.60
-1.59	0.055917	0.052893	0.049547	0.045853	0.041791	0.037338	-1.59
-1.58	0.057053	0.054043	0.050707	0.047020	0.042958	0.038499	-1.58
-1.57	0.058208	0.055212	0.051887	0.048209	0.044150	0.039687	-1.57
-1.56	0.059380	0.056400	0.053089	0.049420	0.045365	0.040900	-1.56
-1.55	0.060571	0.057608	0.054311	0.050653	0.046605	0.042139	-1.55
-1.54	0.061780	0.058835	0.055555	0.051909	0.047870	0.043405	-1.54
-1.53	0.063008	0.060083	0.056820	0.053189	0.049159	0.044698	-1.53
-1.52	0.064256	0.061351	0.058106	0.054491	0.050473	0.046018	-1.52
-1.51	0.065522	0.062639	0.059414	0.055816	0.051812	0.047366	-1.51
-1.50	0.066807	0.063947	0.060744	0.057165	0.053176	0.048740	-1.50

SKEWNESS

t	0.6	0.7	0.8	0.9	1	1.1	t
-2.00	0.005468	0.003047	0.001203	0.000189	0.000000		-2.00
-1.99	0.005769	0.003269	0.001333	0.000230	0.000000		-1.99
-1.98	0.006083	0.003502	0.001474	0.000279	0.000000		-1.98
-1.97	0.006410	0.003748	0.001625	0.000334	0.000001		-1.97
-1.96	0.006751	0.004007	0.001789	0.000397	0.000002		-1.96
-1.95	0.007105	0.004280	0.001964	0.000469	0.000004		-1.95
-1.94	0.007475	0.004567	0.002153	0.000551	0.000008		-1.94
-1.93	0.007859	0.004869	0.002355	0.000642	0.000014		-1.93
-1.92	0.008258	0.005185	0.002571	0.000745	0.000024		-1.92
-1.91	0.008672	0.005518	0.002801	0.000859	0.000038		-1.91
-1.90	0.009103	0.005866	0.003047	0.000986	0.000057		-1.90
-1.89	0.009550	0.006230	0.003309	0.001126	0.000082		-1.89
-1.88	0.010013	0.006612	0.003587	0.001280	0.000114		-1.88
-1.87	0.010494	0.007011	0.003882	0.001449	0.000155		-1.87
-1.86	0.010992	0.007428	0.004195	0.001634	0.000205		-1.86
-1.85	0.011509	0.007864	0.004526	0.001836	0.000266		-1.85
-1.84	0.012043	0.008318	0.004876	0.002055	0.000339		-1.84
-1.83	0.012596	0.008792	0.005246	0.002293	0.000425		-1.83
-1.82	0.013168	0.009286	0.005637	0.002550	0.000526		-1.82
-1.81	0.013760	0.009800	0.006048	0.002827	0.000642	0.000000	-1.81
-1.80	0.014372	0.010335	0.006480	0.003126	0.000776	0.000001	-1.80
-1.79	0.015003	0.010891	0.006935	0.003446	0.000929	0.000006	-1.79
-1.78	0.015656	0.011469	0.007413	0.003789	0.001101	0.000016	-1.78
-1.77	0.016329	0.012070	0.007914	0.004156	0.001295	0.000033	-1.77
-1.76	0.017024	0.012693	0.008439	0.004548	0.001511	0.000062	-1.76
-1.75	0.017741	0.013340	0.008989	0.004965	0.001752	0.000103	-1.75
-1.74	0.018480	0.014011	0.009564	0.005408	0.002017	0.000159	-1.74
-1.73	0.019242	0.014706	0.010165	0.005879	0.002309	0.000233	-1.73
-1.72	0.020026	0.015425	0.010793	0.006377	0.002629	0.000328	-1.72
-1.71	0.020834	0.016170	0.011448	0.006904	0.002979	0.000446	-1.71
-1.70	0.021666	0.016941	0.012130	0.007461	0.003358	0.000589	-1.70
-1.69	0.022522	0.017737	0.012841	0.008048	0.003769	0.000760	-1.69
-1.68	0.023402	0.018560	0.013580	0.008667	0.004213	0.000961	-1.68
-1.67	0.024307	0.019410	0.014349	0.009317	0.004691	0.001195	-1.67
-1.66	0.025238	0.020288	0.015148	0.010001	0.005204	0.001462	-1.66
-1.65	0.026194	0.021193	0.015978	0.010717	0.005753	0.001766	-1.65
-1.64	0.027175	0.022127	0.016838	0.011468	0.006340	0.002109	-1.64
-1.63	0.028183	0.023090	0.017731	0.012254	0.006965	0.002491	-1.63
-1.62	0.029218	0.024081	0.018655	0.013075	0.007629	0.002916	-1.62
-1.61	0.030280	0.025102	0.019612	0.013933	0.008334	0.003385	-1.61
-1.60	0.031368	0.026153	0.020602	0.014827	0.009080	0.003899	-1.60
-1.59	0.032485	0.027235	0.021625	0.015759	0.009868	0.004460	-1.59
-1.58	0.033629	0.028346	0.022683	0.016729	0.010699	0.005069	-1.58
-1.57	0.034801	0.029489	0.023775	0.017738	0.011574	0.005729	-1.57
-1.56	0.036002	0.030664	0.024902	0.018786	0.012494	0.006439	-1.56
-1.55	0.037232	0.031870	0.026064	0.019873	0.013459	0.007202	-1.55
-1.54	0.038490	0.033108	0.027262	0.021001	0.014470	0.008018	-1.54
-1.53	0.039778	0.034378	0.028496	0.022170	0.015528	0.008889	-1.53
-1.52	0.041096	0.035681	0.029766	0.023380	0.016633	0.009816	-1.52
-1.51	0.042444	0.037018	0.031074	0.024632	0.017786	0.010799	-1.51
-1.50	0.043821	0.038387	0.032418	0.025926	0.018988	0.011839	-1.50

SKEWNESS

t	0.0	0.1	0.2	0.3	0.4	0.5	t
-1.50	0.066807	0.063947	0.060744	0.057165	0.053176	0.048740	-1.50
-1.49	0.068112	0.065276	0.062096	0.058538	0.054566	0.050143	-1.49
-1.48	0.069437	0.066627	0.063471	0.059935	0.055982	0.051574	-1.48
-1.47	0.070781	0.067998	0.064867	0.061355	0.057424	0.053033	-1.47
-1.46	0.072145	0.069390	0.066287	0.062800	0.058892	0.054520	-1.46
-1.45	0.073529	0.070804	0.067729	0.064270	0.060387	0.056036	-1.45
-1.44	0.074934	0.072239	0.069194	0.065764	0.061908	0.057580	-1.44
-1.43	0.076359	0.073695	0.070682	0.067283	0.063455	0.059154	-1.43
-1.42	0.077804	0.075174	0.072194	0.068827	0.065030	0.060757	-1.42
-1.41	0.079270	0.076675	0.073729	0.070395	0.066631	0.062389	-1.41
-1.40	0.080757	0.078197	0.075288	0.071990	0.068260	0.064051	-1.40
-1.39	0.082264	0.079742	0.076870	0.073609	0.069916	0.065742	-1.39
-1.38	0.083793	0.081310	0.078476	0.075254	0.071600	0.067463	-1.38
-1.37	0.085343	0.082899	0.080106	0.076925	0.073312	0.069214	-1.37
-1.36	0.086915	0.084512	0.081761	0.078622	0.075051	0.070995	-1.36
-1.35	0.088508	0.086147	0.083439	0.080345	0.076818	0.072807	-1.35
-1.34	0.090123	0.087806	0.085143	0.082094	0.078613	0.074649	-1.34
-1.33	0.091759	0.089487	0.086870	0.083869	0.080436	0.076521	-1.33
-1.32	0.093418	0.091192	0.088623	0.085670	0.082288	0.078423	-1.32
-1.31	0.095098	0.092920	0.090400	0.087498	0.084168	0.080357	-1.31
-1.30	0.096801	0.094671	0.092202	0.089352	0.086077	0.082321	-1.30
-1.29	0.098525	0.096446	0.094029	0.091234	0.088014	0.084316	-1.29
-1.28	0.100273	0.098245	0.095881	0.093142	0.089980	0.086341	-1.28
-1.27	0.102042	0.100068	0.097759	0.095076	0.091974	0.088398	-1.27
-1.26	0.103835	0.101914	0.099662	0.097038	0.093997	0.090485	-1.26
-1.25	0.105650	0.103784	0.101590	0.099027	0.096050	0.092604	-1.25
-1.24	0.107488	0.105679	0.103544	0.101043	0.098131	0.094754	-1.24
-1.23	0.109349	0.107598	0.105523	0.103086	0.100241	0.096934	-1.23
-1.22	0.111233	0.109541	0.107528	0.105156	0.102380	0.099146	-1.22
-1.21	0.113140	0.111508	0.109559	0.107254	0.104548	0.101389	-1.21
-1.20	0.115070	0.113500	0.111616	0.109379	0.106746	0.103663	-1.20
-1.19	0.117023	0.115516	0.113698	0.111531	0.108972	0.105968	-1.19
-1.18	0.119000	0.117557	0.115806	0.113711	0.111228	0.108304	-1.18
-1.17	0.121001	0.119622	0.117941	0.115918	0.113512	0.110671	-1.17
-1.16	0.123024	0.121713	0.120101	0.118153	0.115826	0.113069	-1.16
-1.15	0.125072	0.123828	0.122287	0.120415	0.118169	0.115498	-1.15
-1.14	0.127143	0.125967	0.124500	0.122705	0.120541	0.117958	-1.14
-1.13	0.129238	0.128132	0.126739	0.125022	0.122942	0.120448	-1.13
-1.12	0.131357	0.130322	0.129003	0.127367	0.125372	0.122970	-1.12
-1.11	0.133500	0.132536	0.131294	0.129739	0.127831	0.125522	-1.11
-1.10	0.135666	0.134776	0.133612	0.132139	0.130319	0.128104	-1.10
-1.09	0.137857	0.137041	0.135955	0.134566	0.132835	0.130717	-1.09
-1.08	0.140071	0.139330	0.138324	0.137021	0.135381	0.133361	-1.08
-1.07	0.142310	0.141645	0.140720	0.139503	0.137955	0.136034	-1.07
-1.06	0.144572	0.143985	0.143142	0.142012	0.140558	0.138738	-1.06
-1.05	0.146859	0.146350	0.145590	0.144549	0.143190	0.141472	-1.05
-1.04	0.149170	0.148740	0.148064	0.147112	0.145850	0.144235	-1.04
-1.03	0.151505	0.151155	0.150564	0.149703	0.148538	0.147029	-1.03
-1.02	0.153864	0.153595	0.153090	0.152322	0.151255	0.149851	-1.02
-1.01	0.156248	0.156060	0.155643	0.154967	0.154000	0.152703	-1.01
-1.00	0.158655	0.158551	0.158221	0.157639	0.156773	0.155584	-1.00

SKEWNESS

t	0.6	0.7	0.8	0.9	1	1.1	t
-1.50	0.043821	0.038387	0.032418	0.025926	0.018988	0.011839	-1.50
-1.49	0.045229	0.039790	0.033800	0.027262	0.020239	0.012937	-1.49
-1.48	0.046668	0.041227	0.035220	0.028641	0.021539	0.014094	-1.48
-1.47	0.048138	0.042698	0.036678	0.030063	0.022890	0.015311	-1.47
-1.46	0.049638	0.044203	0.038174	0.031529	0.024290	0.016587	-1.46
-1.45	0.051170	0.045743	0.039709	0.033039	0.025742	0.017923	-1.45
-1.44	0.052734	0.047317	0.041282	0.034592	0.027244	0.019321	-1.44
-1.43	0.054329	0.048927	0.042895	0.036190	0.028798	0.020779	-1.43
-1.42	0.055956	0.050571	0.044547	0.037833	0.030403	0.022299	-1.42
-1.41	0.057615	0.052252	0.046239	0.039520	0.032060	0.023880	-1.41
-1.40	0.059306	0.053967	0.047970	0.041252	0.033769	0.025523	-1.40
-1.39	0.061030	0.055718	0.049741	0.043029	0.035530	0.027228	-1.39
-1.38	0.062786	0.057506	0.051551	0.044852	0.037343	0.028995	-1.38
-1.37	0.064575	0.059329	0.053402	0.046719	0.039208	0.030824	-1.37
-1.36	0.066397	0.061188	0.055293	0.048632	0.041126	0.032714	-1.36
-1.35	0.068251	0.063083	0.057225	0.050591	0.043095	0.034667	-1.35
-1.34	0.070139	0.065015	0.059196	0.052595	0.045117	0.036681	-1.34
-1.33	0.072060	0.066983	0.061208	0.054644	0.047191	0.038756	-1.33
-1.32	0.074014	0.068987	0.063260	0.056738	0.049318	0.040893	-1.32
-1.31	0.076001	0.071028	0.065353	0.058878	0.051496	0.043090	-1.31
-1.30	0.078021	0.073105	0.067486	0.061064	0.053725	0.045348	-1.30
-1.29	0.080075	0.075219	0.069659	0.063294	0.056007	0.047666	-1.29
-1.28	0.082163	0.077370	0.071873	0.065570	0.058339	0.050045	-1.28
-1.27	0.084284	0.079557	0.074127	0.067891	0.060723	0.052482	-1.27
-1.26	0.086438	0.081780	0.076422	0.070256	0.063157	0.054978	-1.26
-1.25	0.088626	0.084040	0.078756	0.072666	0.065642	0.057533	-1.25
-1.24	0.090847	0.086336	0.081130	0.075121	0.068178	0.060146	-1.24
-1.23	0.093102	0.088669	0.083545	0.077620	0.070763	0.062816	-1.23
-1.22	0.095391	0.091038	0.085999	0.080163	0.073397	0.065542	-1.22
-1.21	0.097712	0.093444	0.088493	0.082749	0.076081	0.068325	-1.21
-1.20	0.100068	0.095885	0.091026	0.085380	0.078813	0.071164	-1.20
-1.19	0.102456	0.098363	0.093598	0.088053	0.081594	0.074057	-1.19
-1.18	0.104878	0.100876	0.096210	0.090770	0.084422	0.077004	-1.18
-1.17	0.107333	0.103426	0.098860	0.093529	0.087298	0.080004	-1.17
-1.16	0.109821	0.106011	0.101549	0.096330	0.090221	0.083057	-1.16
-1.15	0.112342	0.108631	0.104277	0.099173	0.093189	0.086162	-1.15
-1.14	0.114897	0.111287	0.107042	0.102058	0.096204	0.089318	-1.14
-1.13	0.117484	0.113978	0.109846	0.104984	0.099264	0.092525	-1.13
-1.12	0.120103	0.116704	0.112687	0.107951	0.102368	0.095781	-1.12
-1.11	0.122756	0.119464	0.115565	0.110958	0.105517	0.099085	-1.11
-1.10	0.125440	0.122259	0.118480	0.114005	0.108708	0.102438	-1.10
-1.09	0.128157	0.125089	0.121433	0.117091	0.111943	0.105838	-1.09
-1.08	0.130906	0.127952	0.124421	0.120216	0.115220	0.109283	-1.08
-1.07	0.133687	0.130849	0.127445	0.123380	0.118539	0.112774	-1.07
-1.06	0.136499	0.133780	0.130505	0.126582	0.121898	0.116310	-1.06
-1.05	0.139344	0.136744	0.133600	0.129822	0.125298	0.119888	-1.05
-1.04	0.142219	0.139741	0.136731	0.133099	0.128737	0.123510	-1.04
-1.03	0.145125	0.142771	0.139895	0.136412	0.132215	0.127173	-1.03
-1.02	0.148063	0.145833	0.143094	0.139761	0.135732	0.130877	-1.02
-1.01	0.151031	0.148927	0.146326	0.143146	0.139286	0.134621	-1.01
-1.00	0.154029	0.152053	0.149592	0.146565	0.142877	0.138403	-1.00

SKEWNESS

t	0.0	0.1	0.2	0.3	0.4	0.5	t
-1.00	0.158655	0.158551	0.158221	0.157639	0.156773	0.155584	-1.00
-0.99	0.161087	0.161066	0.160825	0.160338	0.159573	0.158494	-0.99
-0.98	0.163543	0.163606	0.163455	0.163064	0.162402	0.161433	-0.98
-0.97	0.166023	0.166171	0.166111	0.165816	0.165258	0.164401	-0.97
-0.96	0.168528	0.168762	0.168792	0.168595	0.168141	0.167396	-0.96
-0.95	0.171056	0.171377	0.171499	0.171400	0.171051	0.170420	-0.95
-0.94	0.173609	0.174017	0.174232	0.174232	0.173989	0.173472	-0.94
-0.93	0.176186	0.176681	0.176990	0.177090	0.176954	0.176551	-0.93
-0.92	0.178786	0.179371	0.179774	0.179974	0.179945	0.179658	-0.92
-0.91	0.181411	0.182085	0.182582	0.182883	0.182963	0.182792	-0.91
-0.90	0.184060	0.184823	0.185416	0.185819	0.186007	0.185953	-0.90
-0.89	0.186733	0.187586	0.188275	0.188780	0.189077	0.189140	-0.89
-0.88	0.189430	0.190374	0.191159	0.191766	0.192173	0.192354	-0.88
-0.87	0.192150	0.193186	0.194068	0.194778	0.195295	0.195594	-0.87
-0.86	0.194895	0.196022	0.197001	0.197814	0.198442	0.198860	-0.86
-0.85	0.197663	0.198882	0.199958	0.200876	0.201614	0.202151	-0.85
-0.84	0.200454	0.201766	0.202941	0.203962	0.204812	0.205467	-0.84
-0.83	0.203269	0.204674	0.205947	0.207073	0.208034	0.208808	-0.83
-0.82	0.206108	0.207605	0.208977	0.210208	0.211280	0.212174	-0.82
-0.81	0.208970	0.210561	0.212031	0.213366	0.214551	0.215564	-0.81
-0.80	0.211855	0.213540	0.215109	0.216549	0.217845	0.218978	-0.80
-0.79	0.214764	0.216542	0.218210	0.219756	0.221163	0.222415	-0.79
-0.78	0.217695	0.219567	0.221335	0.222985	0.224504	0.225876	-0.78
-0.77	0.220650	0.222616	0.224483	0.226238	0.227869	0.229359	-0.77
-0.76	0.223627	0.225687	0.227653	0.229514	0.231256	0.232865	-0.76
-0.75	0.226627	0.228781	0.230847	0.232812	0.234666	0.236393	-0.75
-0.74	0.229650	0.231898	0.234063	0.236133	0.238097	0.239943	-0.74
-0.73	0.232695	0.235037	0.237301	0.239476	0.241551	0.243514	-0.73
-0.72	0.235762	0.238199	0.240561	0.242840	0.245026	0.247106	-0.72
-0.71	0.238852	0.241382	0.243843	0.246227	0.248522	0.250719	-0.71
-0.70	0.241964	0.244587	0.247147	0.249634	0.252039	0.254353	-0.70
-0.69	0.245097	0.247815	0.250472	0.253063	0.255577	0.258006	-0.69
-0.68	0.248252	0.251063	0.253819	0.256512	0.259135	0.261678	-0.68
-0.67	0.251429	0.254333	0.257186	0.259981	0.262712	0.265370	-0.67
-0.66	0.254627	0.257623	0.260574	0.263471	0.266310	0.269080	-0.66
-0.65	0.257846	0.260935	0.263982	0.266981	0.269926	0.272809	-0.65
-0.64	0.261086	0.264267	0.267410	0.270510	0.273561	0.276555	-0.64
-0.63	0.264347	0.267620	0.270858	0.274058	0.277214	0.280319	-0.63
-0.62	0.267629	0.270992	0.274326	0.277625	0.280885	0.284100	-0.62
-0.61	0.270931	0.274385	0.277813	0.281211	0.284574	0.287897	-0.61
-0.60	0.274253	0.277797	0.281319	0.284815	0.288280	0.291711	-0.60
-0.59	0.277595	0.281229	0.284844	0.288437	0.292004	0.295540	-0.59
-0.58	0.280957	0.284679	0.288387	0.292076	0.295743	0.299385	-0.58
-0.57	0.284339	0.288149	0.291948	0.295732	0.299499	0.303244	-0.57
-0.56	0.287740	0.291637	0.295527	0.299406	0.303270	0.307118	-0.56
-0.55	0.291160	0.295144	0.299123	0.303095	0.307057	0.311006	-0.55
-0.54	0.294599	0.298669	0.302737	0.306801	0.310859	0.314908	-0.54
-0.53	0.298056	0.302211	0.306367	0.310523	0.314675	0.318822	-0.53
-0.52	0.301532	0.305771	0.310014	0.314260	0.318505	0.322749	-0.52
-0.51	0.305026	0.309348	0.313678	0.318012	0.322349	0.326689	-0.51
-0.50	0.308538	0.312943	0.317357	0.321778	0.326207	0.330640	-0.50

SKEWNESS

t	0.6	0.7	0.8	0.9	1	1.1	t
-1.00	0.154029	0.152053	0.149592	0.146565	0.142877	0.138403	-1.00
-0.99	0.157058	0.155211	0.152890	0.150019	0.146503	0.142224	-0.99
-0.98	0.160116	0.158399	0.156221	0.153507	0.150166	0.146082	-0.98
-0.97	0.163204	0.161618	0.159584	0.157028	0.153862	0.149976	-0.97
-0.96	0.166321	0.164868	0.162978	0.160582	0.157593	0.153905	-0.96
-0.95	0.169468	0.168147	0.166403	0.164168	0.161357	0.157869	-0.95
-0.94	0.172643	0.171457	0.169859	0.167785	0.165153	0.161866	-0.94
-0.93	0.175846	0.174795	0.173345	0.171433	0.168981	0.165895	-0.93
-0.92	0.179078	0.178162	0.176860	0.175111	0.172840	0.169956	-0.92
-0.91	0.182337	0.181558	0.180405	0.178819	0.176729	0.174047	-0.91
-0.90	0.185624	0.184981	0.183978	0.182556	0.180648	0.178168	-0.90
-0.89	0.188938	0.188433	0.187578	0.186321	0.184595	0.182317	-0.89
-0.88	0.192279	0.191911	0.191207	0.190114	0.188569	0.186495	-0.88
-0.87	0.195646	0.195416	0.194862	0.193934	0.192571	0.190699	-0.87
-0.86	0.199040	0.198948	0.198544	0.197781	0.196599	0.194929	-0.86
-0.85	0.202459	0.202505	0.202252	0.201653	0.200653	0.199184	-0.85
-0.84	0.205903	0.206088	0.205985	0.205551	0.204731	0.203463	-0.84
-0.83	0.209372	0.209695	0.209743	0.209473	0.208834	0.207765	-0.83
-0.82	0.212866	0.213328	0.213525	0.213419	0.212959	0.212089	-0.82
-0.81	0.216384	0.216984	0.217331	0.217388	0.217107	0.216434	-0.81
-0.80	0.219926	0.220664	0.221160	0.221379	0.221277	0.220800	-0.80
-0.79	0.223491	0.224366	0.225012	0.225393	0.225468	0.225186	-0.79
-0.78	0.227079	0.228092	0.228886	0.229428	0.229678	0.229590	-0.78
-0.77	0.230690	0.231839	0.232781	0.233483	0.233909	0.234012	-0.77
-0.76	0.234323	0.235608	0.236697	0.237558	0.238157	0.238451	-0.76
-0.75	0.237977	0.239399	0.240633	0.241653	0.242424	0.242906	-0.75
-0.74	0.241653	0.243209	0.244589	0.245766	0.246708	0.247376	-0.74
-0.73	0.245350	0.247040	0.248565	0.249897	0.251008	0.251861	-0.73
-0.72	0.249067	0.250891	0.252558	0.254045	0.255323	0.256359	-0.72
-0.71	0.252804	0.254761	0.256570	0.258210	0.259654	0.260869	-0.71
-0.70	0.256561	0.258649	0.260599	0.262391	0.263998	0.265392	-0.70
-0.69	0.260336	0.262555	0.264645	0.266587	0.268356	0.269926	-0.69
-0.68	0.264131	0.266479	0.268708	0.270798	0.272727	0.274469	-0.68
-0.67	0.267943	0.270420	0.272786	0.275022	0.277110	0.279023	-0.67
-0.66	0.271773	0.274377	0.276879	0.279260	0.281503	0.283585	-0.66
-0.65	0.275621	0.278351	0.280986	0.283511	0.285908	0.288154	-0.65
-0.64	0.279485	0.282340	0.285107	0.287774	0.290322	0.292731	-0.64
-0.63	0.283365	0.286343	0.289242	0.292048	0.294745	0.297315	-0.63
-0.62	0.287261	0.290361	0.293389	0.296333	0.299177	0.301903	-0.62
-0.61	0.291173	0.294393	0.297549	0.300628	0.303616	0.306497	-0.61
-0.60	0.295099	0.298439	0.301720	0.304932	0.308063	0.311095	-0.60
-0.59	0.299040	0.302497	0.305902	0.309246	0.312515	0.315697	-0.59
-0.58	0.302995	0.306568	0.310095	0.313567	0.316974	0.320301	-0.58
-0.57	0.306963	0.310650	0.314297	0.317897	0.321437	0.324907	-0.57
-0.56	0.310944	0.314743	0.318509	0.322233	0.325905	0.329514	-0.56
-0.55	0.314938	0.318848	0.322729	0.326575	0.330377	0.334122	-0.55
-0.54	0.318944	0.322962	0.326958	0.330924	0.334851	0.338731	-0.54
-0.53	0.322961	0.327086	0.331194	0.335277	0.339328	0.343338	-0.53
-0.52	0.326989	0.331219	0.335437	0.339635	0.343807	0.347944	-0.52
-0.51	0.331027	0.335361	0.339686	0.343997	0.348287	0.352548	-0.51
-0.50	0.335076	0.339511	0.343942	0.348363	0.352768	0.357150	-0.50

SKEWNESS

t	0.0	0.1	0.2	0.3	0.4	0.5	t
-0.50	0.308538	0.312943	0.317357	0.321778	0.326207	0.330640	-0.50
-0.49	0.312067	0.316553	0.321051	0.325559	0.330077	0.334603	-0.49
-0.48	0.315614	0.320180	0.324761	0.329354	0.333960	0.338576	-0.48
-0.47	0.319178	0.323824	0.328486	0.333163	0.337854	0.342560	-0.47
-0.46	0.322758	0.327482	0.332225	0.336984	0.341761	0.346553	-0.46
-0.45	0.326355	0.331157	0.335978	0.340819	0.345678	0.350557	-0.45
-0.44	0.329969	0.334846	0.339745	0.344665	0.349607	0.354569	-0.44
-0.43	0.333598	0.338550	0.343525	0.348524	0.353545	0.358590	-0.43
-0.42	0.337243	0.342268	0.347319	0.352394	0.357494	0.362618	-0.42
-0.41	0.340903	0.346001	0.351125	0.356275	0.361452	0.366655	-0.41
-0.40	0.344578	0.349747	0.354943	0.360167	0.365419	0.370699	-0.40
-0.39	0.348268	0.353507	0.358774	0.364070	0.369395	0.374749	-0.39
-0.38	0.351973	0.357279	0.362616	0.367982	0.373379	0.378806	-0.38
-0.37	0.355691	0.361065	0.366469	0.371904	0.377371	0.382869	-0.37
-0.36	0.359424	0.364863	0.370333	0.375835	0.381370	0.386937	-0.36
-0.35	0.363169	0.368672	0.374208	0.379775	0.385376	0.391010	-0.35
-0.34	0.366928	0.372494	0.378092	0.383723	0.389388	0.395087	-0.34
-0.33	0.370700	0.376327	0.381986	0.387679	0.393407	0.399169	-0.33
-0.32	0.374484	0.380170	0.385890	0.391643	0.397431	0.403254	-0.32
-0.31	0.378280	0.384024	0.389802	0.395614	0.401460	0.407342	-0.31
-0.30	0.382089	0.387889	0.393723	0.399591	0.405494	0.411432	-0.30
-0.29	0.385908	0.391763	0.397652	0.403575	0.409532	0.415525	-0.29
-0.28	0.389739	0.395647	0.401588	0.407564	0.413574	0.419620	-0.28
-0.27	0.393580	0.399540	0.405532	0.411559	0.417620	0.423716	-0.27
-0.26	0.397432	0.403441	0.409483	0.415559	0.421669	0.427813	-0.26
-0.25	0.401294	0.407351	0.413440	0.419563	0.425720	0.431910	-0.25
-0.24	0.405165	0.411268	0.417404	0.423572	0.429773	0.436008	-0.24
-0.23	0.409046	0.415194	0.421373	0.427584	0.433828	0.440105	-0.23
-0.22	0.412936	0.419126	0.425347	0.431600	0.437884	0.444201	-0.22
-0.21	0.416834	0.423065	0.429327	0.435618	0.441941	0.448295	-0.21
-0.20	0.420740	0.427011	0.433310	0.439639	0.445999	0.452389	-0.20
-0.19	0.424655	0.430962	0.437298	0.443663	0.450056	0.456479	-0.19
-0.18	0.428576	0.434919	0.441290	0.447687	0.454113	0.460568	-0.18
-0.17	0.432505	0.438881	0.445284	0.451713	0.458170	0.464653	-0.17
-0.16	0.436441	0.442849	0.449282	0.455740	0.462225	0.468735	-0.16
-0.15	0.440382	0.446820	0.453282	0.459768	0.466278	0.472813	-0.15
-0.14	0.444330	0.450795	0.457284	0.463795	0.470329	0.476887	-0.14
-0.13	0.448283	0.454775	0.461288	0.467822	0.474378	0.480956	-0.13
-0.12	0.452242	0.458757	0.465292	0.471848	0.478424	0.485020	-0.12
-0.11	0.456205	0.462742	0.469298	0.475873	0.482466	0.489079	-0.11
-0.10	0.460172	0.466729	0.473304	0.479896	0.486505	0.493132	-0.10
-0.09	0.464144	0.470719	0.477310	0.483917	0.490539	0.497178	-0.09
-0.08	0.468119	0.474710	0.481316	0.487936	0.494570	0.501218	-0.08
-0.07	0.472097	0.478703	0.485321	0.491951	0.498595	0.505251	-0.07
-0.06	0.476078	0.482696	0.489324	0.495964	0.502615	0.509277	-0.06
-0.05	0.480061	0.486690	0.493326	0.499973	0.506629	0.513295	-0.05
-0.04	0.484047	0.494683	0.497327	0.503978	0.510637	0.517305	-0.04
-0.03	0.488034	0.494676	0.501324	0.507978	0.514639	0.521306	-0.03
-0.02	0.492022	0.498668	0.505319	0.511974	0.518634	0.525298	-0.02
-0.01	0.496011	0.502660	0.509311	0.515964	0.522621	0.529281	-0.01
0.00	0.500000	0.506649	0.513299	0.519949	0.526602	0.533255	0.00

SKEWNESS

t	0.6	0.7	0.8	0.9	1	1.1	t
-0.50	0.335076	0.339511	0.343942	0.348363	0.352768	0.357150	-0.50
-0.49	0.339134	0.343668	0.348202	0.352731	0.357249	0.361749	-0.49
-0.48	0.343201	0.347833	0.352468	0.357102	0.361729	0.366343	-0.48
-0.47	0.347277	0.352004	0.356737	0.361474	0.366208	0.370934	-0.47
-0.46	0.351361	0.356181	0.361011	0.365847	0.370685	0.375519	-0.46
-0.45	0.355452	0.360363	0.365287	0.370221	0.375160	0.380099	-0.45
-0.44	0.359551	0.364551	0.369566	0.374595	0.379632	0.384673	-0.44
-0.43	0.363656	0.368742	0.373847	0.378968	0.384101	0.389240	-0.43
-0.42	0.367767	0.372938	0.378130	0.383340	0.388565	0.393800	-0.42
-0.41	0.371884	0.377137	0.382414	0.387711	0.393025	0.398353	-0.41
-0.40	0.376006	0.381340	0.386698	0.392079	0.397480	0.402897	-0.40
-0.39	0.380133	0.385544	0.390982	0.396445	0.401930	0.407432	-0.39
-0.38	0.384264	0.389751	0.395266	0.400808	0.406373	0.411958	-0.38
-0.37	0.388398	0.393959	0.399549	0.405167	0.410810	0.416475	-0.37
-0.36	0.392536	0.398168	0.403830	0.409522	0.415240	0.420981	-0.36
-0.35	0.396677	0.402377	0.408109	0.413872	0.419662	0.425476	-0.35
-0.34	0.400820	0.406587	0.412386	0.418217	0.424076	0.429961	-0.34
-0.33	0.404965	0.410796	0.416660	0.422556	0.428482	0.434434	-0.33
-0.32	0.409111	0.415004	0.420930	0.426889	0.432878	0.438895	-0.32
-0.31	0.413259	0.419211	0.425197	0.431216	0.437266	0.443343	-0.31
-0.30	0.417406	0.423415	0.429459	0.435535	0.441643	0.447779	-0.30
-0.29	0.421554	0.427618	0.433716	0.439847	0.446010	0.452201	-0.29
-0.28	0.425701	0.431817	0.437968	0.444152	0.450366	0.456610	-0.28
-0.27	0.429847	0.436014	0.442214	0.448447	0.454712	0.461004	-0.27
-0.26	0.433992	0.440206	0.446454	0.452735	0.459046	0.465384	-0.26
-0.25	0.438135	0.444395	0.450687	0.457012	0.463367	0.469750	-0.25
-0.24	0.442276	0.448579	0.454914	0.461280	0.467677	0.474100	-0.24
-0.23	0.446415	0.452758	0.459133	0.465539	0.471974	0.478435	-0.23
-0.22	0.450550	0.456931	0.463344	0.469786	0.476257	0.482754	-0.22
-0.21	0.454681	0.461099	0.467546	0.474023	0.480527	0.487056	-0.21
-0.20	0.458809	0.465260	0.471740	0.478249	0.484784	0.491343	-0.20
-0.19	0.462932	0.469414	0.475925	0.482463	0.489026	0.495612	-0.19
-0.18	0.467051	0.473562	0.480100	0.486665	0.493254	0.499864	-0.18
-0.17	0.471164	0.477702	0.484266	0.490855	0.497467	0.504099	-0.17
-0.16	0.475271	0.481834	0.488421	0.495032	0.501664	0.508316	-0.16
-0.15	0.479373	0.485957	0.492566	0.499196	0.505847	0.512515	-0.15
-0.14	0.483468	0.490072	0.496699	0.503347	0.510013	0.516696	-0.14
-0.13	0.487556	0.494178	0.500821	0.507484	0.514164	0.520858	-0.13
-0.12	0.491637	0.498275	0.504932	0.511607	0.518298	0.525002	-0.12
-0.11	0.495711	0.502361	0.509030	0.515715	0.522415	0.529126	-0.11
-0.10	0.499776	0.506438	0.513116	0.519809	0.526515	0.533232	-0.10
-0.09	0.503833	0.510504	0.517189	0.523888	0.530598	0.537317	-0.09
-0.08	0.507882	0.514559	0.521249	0.527952	0.534664	0.541383	-0.08
-0.07	0.511921	0.518603	0.525296	0.532000	0.538712	0.545429	-0.07
-0.06	0.515950	0.522635	0.529329	0.536032	0.542742	0.549455	-0.06
-0.05	0.519970	0.526655	0.533348	0.540048	0.546753	0.553461	-0.05
-0.04	0.523980	0.530663	0.537353	0.544048	0.550746	0.557446	-0.04
-0.03	0.527979	0.534659	0.541343	0.548031	0.554721	0.561410	-0.03
-0.02	0.531967	0.538641	0.545318	0.551997	0.558676	0.565354	-0.02
-0.01	0.535945	0.542610	0.549278	0.555946	0.562613	0.569276	-0.01
0.00	0.539910	0.546566	0.553222	0.559878	0.566530	0.573177	0.00

SKEWNESS

t	0.0	0.1	0.2	0.3	0.4	0.5	t
0.50	0.691462	0.695859	0.700245	0.704622	0.708990	0.713347	0.50
0.51	0.694974	0.699290	0.703599	0.707901	0.712194	0.716480	0.51
0.52	0.698468	0.702704	0.706934	0.711159	0.715378	0.719591	0.52
0.53	0.701944	0.706098	0.710249	0.714397	0.718541	0.722681	0.53
0.54	0.705401	0.709473	0.713544	0.717615	0.721684	0.725751	0.54
0.55	0.708840	0.712829	0.716820	0.720812	0.724805	0.728798	0.55
0.56	0.712260	0.716165	0.720075	0.723989	0.727906	0.731825	0.56
0.57	0.715661	0.719481	0.723310	0.727145	0.730985	0.734830	0.57
0.58	0.719043	0.722778	0.726524	0.730280	0.734043	0.737814	0.58
0.59	0.722405	0.726054	0.729718	0.733394	0.737080	0.740776	0.59
0.60	0.725747	0.729311	0.732891	0.736487	0.740096	0.743716	0.60
0.61	0.729069	0.732546	0.736044	0.739559	0.743090	0.746635	0.61
0.62	0.732371	0.735761	0.739175	0.742609	0.746062	0.749532	0.62
0.63	0.735653	0.738955	0.742285	0.745638	0.749013	0.752407	0.63
0.64	0.738914	0.742129	0.745374	0.748646	0.751942	0.755261	0.64
0.65	0.742154	0.745281	0.748441	0.751632	0.754850	0.758093	0.65
0.66	0.745373	0.748411	0.751487	0.754596	0.757736	0.760902	0.66
0.67	0.748571	0.751521	0.754511	0.757539	0.760599	0.763691	0.67
0.68	0.751748	0.754608	0.757514	0.760459	0.763441	0.766457	0.68
0.69	0.754903	0.757674	0.760494	0.763358	0.766261	0.769201	0.69
0.70	0.758036	0.760718	0.763453	0.766235	0.769060	0.771923	0.70
0.71	0.761148	0.763741	0.766390	0.769090	0.771836	0.774624	0.71
0.72	0.764238	0.766741	0.769304	0.771922	0.774590	0.777302	0.72
0.73	0.767305	0.769719	0.772196	0.774733	0.777322	0.779959	0.73
0.74	0.770350	0.772674	0.775067	0.777521	0.780032	0.782593	0.74
0.75	0.773373	0.775607	0.777914	0.780287	0.782719	0.785206	0.75
0.76	0.776373	0.778518	0.780739	0.783031	0.785385	0.787797	0.76
0.77	0.779350	0.781406	0.783542	0.785752	0.788029	0.790366	0.77
0.78	0.782305	0.784271	0.786322	0.788451	0.790650	0.792913	0.78
0.79	0.785236	0.787113	0.789080	0.791128	0.793249	0.795438	0.79
0.80	0.788145	0.789933	0.791815	0.793782	0.795826	0.797941	0.80
0.81	0.791030	0.792729	0.794527	0.796414	0.798382	0.800423	0.81
0.82	0.793892	0.795503	0.797217	0.799023	0.800914	0.802883	0.82
0.83	0.796731	0.798254	0.799883	0.801610	0.803425	0.805321	0.83
0.84	0.799546	0.800981	0.802527	0.804175	0.805914	0.807737	0.84
0.85	0.802337	0.803685	0.805148	0.806717	0.808381	0.810132	0.85
0.86	0.805105	0.806366	0.807747	0.809237	0.810825	0.812505	0.86
0.87	0.807850	0.809024	0.810322	0.811734	0.813248	0.814856	0.87
0.88	0.810570	0.811658	0.812875	0.814208	0.815649	0.817186	0.88
0.89	0.813267	0.814269	0.815404	0.816661	0.818027	0.819495	0.89
0.90	0.815940	0.816856	0.817911	0.819091	0.820384	0.821782	0.90
0.91	0.818589	0.819420	0.820395	0.821498	0.822719	0.824047	0.91
0.92	0.821214	0.821961	0.822856	0.823884	0.825032	0.826291	0.92
0.93	0.823814	0.824478	0.825294	0.826246	0.827324	0.828515	0.93
0.94	0.826391	0.826972	0.827709	0.828587	0.829593	0.830716	0.94
0.95	0.828944	0.829443	0.830101	0.830905	0.831841	0.832897	0.95
0.96	0.831472	0.831889	0.832471	0.833202	0.834068	0.835057	0.96
0.97	0.833977	0.834313	0.834818	0.835476	0.836272	0.837196	0.97
0.98	0.836457	0.836713	0.837142	0.837727	0.838456	0.839314	0.98
0.99	0.838913	0.839089	0.839443	0.839957	0.840618	0.841411	0.99
1.00	0.841345	0.841442	0.841721	0.842165	0.842758	0.843487	1.00

SKEWNESS

t	0.6	0.7	0.8	0.9	1	1.1	t
0.50	0.717694	0.722031	0.726358	0.730672	0.734974	0.739262	0.50
0.51	0.720757	0.725025	0.729284	0.733533	0.737770	0.741995	0.51
0.52	0.723797	0.727997	0.732188	0.736371	0.740544	0.744706	0.52
0.53	0.726817	0.730947	0.735070	0.739187	0.743296	0.747394	0.53
0.54	0.729815	0.733875	0.737931	0.741981	0.746025	0.750060	0.54
0.55	0.732791	0.736781	0.740769	0.744753	0.748732	0.752704	0.55
0.56	0.735745	0.739666	0.7443585	0.747503	0.751416	0.755325	0.56
0.57	0.738678	0.742528	0.746379	0.750230	0.754079	0.757924	0.57
0.58	0.741589	0.745369	0.749152	0.752936	0.756719	0.760501	0.58
0.59	0.744479	0.748188	0.751902	0.755619	0.759338	0.763056	0.59
0.60	0.747346	0.750985	0.754630	0.758281	0.761935	0.765590	0.60
0.61	0.750192	0.753760	0.757337	0.760920	0.764509	0.768101	0.61
0.62	0.753016	0.756513	0.760021	0.763538	0.767062	0.770591	0.62
0.63	0.755818	0.759245	0.762684	0.766134	0.769593	0.773059	0.63
0.64	0.758599	0.761954	0.765325	0.768708	0.772103	0.775505	0.64
0.65	0.761357	0.764642	0.767944	0.771261	0.774590	0.777930	0.65
0.66	0.764094	0.767308	0.770541	0.773792	0.777057	0.780334	0.66
0.67	0.766809	0.769952	0.773117	0.776301	0.779502	0.782717	0.67
0.68	0.769502	0.772574	0.775671	0.778789	0.781925	0.785078	0.68
0.69	0.772173	0.775175	0.778203	0.781255	0.784328	0.787418	0.69
0.70	0.774822	0.777754	0.780714	0.783700	0.786709	0.789738	0.70
0.71	0.777450	0.780311	0.783203	0.786124	0.789069	0.792036	0.71
0.72	0.780056	0.782847	0.785671	0.788526	0.791408	0.794314	0.72
0.73	0.782640	0.785361	0.788118	0.790908	0.793727	0.796571	0.73
0.74	0.785202	0.787853	0.790543	0.793268	0.796024	0.798808	0.74
0.75	0.787743	0.790324	0.792947	0.795607	0.798301	0.801024	0.75
0.76	0.790262	0.792774	0.795330	0.797926	0.800557	0.803220	0.76
0.77	0.792759	0.795202	0.797692	0.800223	0.802793	0.805396	0.77
0.78	0.795234	0.797609	0.800033	0.802500	0.805008	0.807551	0.78
0.79	0.797688	0.799995	0.802352	0.804757	0.807203	0.809687	0.79
0.80	0.800121	0.802359	0.804651	0.806992	0.809378	0.811803	0.80
0.81	0.802532	0.804703	0.806929	0.809208	0.811532	0.813899	0.81
0.82	0.804922	0.807025	0.809187	0.811403	0.813667	0.815975	0.82
0.83	0.807290	0.809326	0.811424	0.813577	0.815782	0.818032	0.83
0.84	0.809637	0.811606	0.813640	0.815732	0.817877	0.820070	0.84
0.85	0.811962	0.813866	0.815835	0.817866	0.819952	0.822088	0.85
0.86	0.814267	0.816104	0.818011	0.819980	0.822008	0.824087	0.86
0.87	0.816550	0.818322	0.820166	0.822075	0.824044	0.826067	0.87
0.88	0.818812	0.820519	0.822301	0.824150	0.826061	0.828028	0.88
0.89	0.821053	0.822696	0.824415	0.826205	0.828059	0.829971	0.89
0.90	0.823273	0.824852	0.826510	0.828240	0.830037	0.831894	0.90
0.91	0.825473	0.826988	0.828585	0.830256	0.831997	0.833799	0.91
0.92	0.827651	0.829103	0.830640	0.832253	0.833937	0.835686	0.92
0.93	0.829809	0.831198	0.832675	0.834231	0.835859	0.837554	0.93
0.94	0.831946	0.833274	0.834690	0.836189	0.837762	0.839404	0.94
0.95	0.834063	0.835329	0.836686	0.838128	0.839647	0.841236	0.95
0.96	0.836159	0.837364	0.838663	0.840049	0.841513	0.843050	0.96
0.97	0.838234	0.839379	0.840620	0.841950	0.843361	0.844846	0.97
0.98	0.840290	0.841374	0.842558	0.843833	0.845191	0.846625	0.98
0.99	0.842325	0.843350	0.844477	0.845697	0.847002	0.848386	0.99
1.00	0.844340	0.845306	0.846377	0.847543	0.848796	0.850129	1.00

SKEWNESS

t	0.0	0.1	0.2	0.3	0.4	0.5	t
1.00	0.841345	0.841442	0.841721	0.842165	0.842758	0.843487	1.00
1.01	0.843752	0.843772	0.843977	0.844351	0.844877	0.845543	1.01
1.02	0.846136	0.846078	0.846210	0.846515	0.846975	0.847578	1.02
1.03	0.848495	0.848361	0.848421	0.848657	0.849052	0.849592	1.03
1.04	0.850830	0.850620	0.850609	0.850777	0.851108	0.851586	1.04
1.05	0.853141	0.852857	0.852775	0.852875	0.853142	0.853560	1.05
1.06	0.855428	0.855070	0.854918	0.854952	0.855156	0.855514	1.06
1.07	0.857690	0.857259	0.857039	0.857008	0.857149	0.857447	1.07
1.08	0.859929	0.859426	0.859137	0.859042	0.859121	0.859361	1.08
1.09	0.862143	0.861570	0.861213	0.861054	0.861073	0.861254	1.09
1.10	0.864334	0.863690	0.863268	0.863045	0.863004	0.863128	1.10
1.11	0.866500	0.865788	0.865300	0.865015	0.864915	0.864982	1.11
1.12	0.868643	0.867862	0.867310	0.866964	0.866805	0.866816	1.12
1.13	0.870762	0.869914	0.869298	0.868891	0.868675	0.868631	1.13
1.14	0.872857	0.871943	0.871264	0.870798	0.870524	0.870427	1.14
1.15	0.874928	0.873949	0.873208	0.872683	0.872354	0.872203	1.15
1.16	0.876976	0.875933	0.875131	0.874548	0.874164	0.873960	1.16
1.17	0.878999	0.877894	0.877032	0.876393	0.875954	0.875697	1.17
1.18	0.881000	0.879832	0.878912	0.878216	0.877724	0.877416	1.18
1.19	0.882977	0.881748	0.880771	0.880019	0.879474	0.879116	1.19
1.20	0.884930	0.883642	0.882608	0.881802	0.881205	0.880797	1.20
1.21	0.886860	0.885514	0.884423	0.883565	0.882916	0.882460	1.21
1.22	0.888767	0.887363	0.886218	0.885307	0.884609	0.884104	1.22
1.23	0.890651	0.889191	0.887992	0.887029	0.886281	0.885729	1.23
1.24	0.892512	0.890997	0.889745	0.888732	0.887935	0.887336	1.24
1.25	0.894350	0.892780	0.891477	0.890414	0.889570	0.888925	1.25
1.26	0.896165	0.894543	0.893188	0.892077	0.891186	0.890497	1.26
1.27	0.897958	0.896283	0.894879	0.893720	0.892783	0.892050	1.27
1.28	0.899727	0.898002	0.896550	0.895344	0.894362	0.893585	1.28
1.29	0.901475	0.899700	0.898200	0.896948	0.895922	0.895102	1.29
1.30	0.903199	0.901376	0.899830	0.898533	0.897464	0.896602	1.30
1.31	0.904902	0.903032	0.901440	0.900099	0.898988	0.898085	1.31
1.32	0.906582	0.904666	0.903029	0.901646	0.900493	0.899550	1.32
1.33	0.908241	0.906280	0.904600	0.903174	0.901980	0.900998	1.33
1.34	0.909877	0.907873	0.906150	0.904683	0.903450	0.902429	1.34
1.35	0.911492	0.909445	0.907681	0.906174	0.904902	0.903843	1.35
1.36	0.913085	0.910996	0.909192	0.907646	0.906336	0.905241	1.36
1.37	0.914657	0.912528	0.910684	0.909100	0.907753	0.906621	1.37
1.38	0.916207	0.914039	0.912157	0.910536	0.909152	0.907985	1.38
1.39	0.917736	0.915530	0.913611	0.911954	0.910534	0.909333	1.39
1.40	0.919243	0.917001	0.915046	0.913353	0.911899	0.910664	1.40
1.41	0.920730	0.918452	0.916463	0.914735	0.913247	0.911979	1.41
1.42	0.922196	0.919884	0.917860	0.916099	0.914579	0.913278	1.42
1.43	0.923641	0.921296	0.919239	0.917446	0.915893	0.914561	1.43
1.44	0.925066	0.922689	0.920600	0.918775	0.917191	0.915828	1.44
1.45	0.926471	0.924062	0.921943	0.920087	0.918473	0.917080	1.45
1.46	0.927855	0.925417	0.923267	0.921382	0.919738	0.918316	1.46
1.47	0.929219	0.926752	0.924574	0.922660	0.920987	0.919537	1.47
1.48	0.930563	0.928069	0.925863	0.923921	0.922221	0.920743	1.48
1.49	0.931888	0.929367	0.927134	0.925165	0.923438	0.921933	1.49
1.50	0.933193	0.930647	0.928388	0.926393	0.924639	0.923108	1.50

SKEWNESS

t	0.6	0.7	0.8	0.9	1	1.1	t
1.00	0.844340	0.845306	0.846377	0.847543	0.848796	0.850129	1.00
1.01	0.846335	0.847243	0.848258	0.849370	0.850572	0.851855	1.01
1.02	0.848310	0.849161	0.850120	0.851179	0.852330	0.853564	1.02
1.03	0.850265	0.851059	0.851964	0.852970	0.854070	0.855256	1.03
1.04	0.852200	0.852938	0.853789	0.854743	0.855793	0.856931	1.04
1.05	0.854116	0.854798	0.855595	0.856498	0.857499	0.858589	1.05
1.06	0.856012	0.856639	0.857383	0.858236	0.859187	0.860230	1.06
1.07	0.857889	0.858461	0.859153	0.859955	0.860859	0.861854	1.07
1.08	0.859746	0.860264	0.860905	0.861657	0.862513	0.863463	1.08
1.09	0.861584	0.862049	0.862639	0.863342	0.864150	0.865054	1.09
1.10	0.863403	0.863815	0.864354	0.865009	0.865771	0.866630	1.10
1.11	0.865203	0.865563	0.866052	0.866659	0.867375	0.868189	1.11
1.12	0.866984	0.867293	0.867733	0.868293	0.868962	0.869733	1.12
1.13	0.868746	0.869004	0.869396	0.869909	0.870533	0.871260	1.13
1.14	0.870489	0.870698	0.871041	0.871508	0.872088	0.872772	1.14
1.15	0.872214	0.872373	0.872669	0.873090	0.873626	0.874268	1.15
1.16	0.873920	0.874031	0.874280	0.874656	0.875149	0.875749	1.16
1.17	0.875608	0.875671	0.875874	0.876206	0.876656	0.877214	1.17
1.18	0.877277	0.877293	0.877451	0.877739	0.878146	0.878664	1.18
1.19	0.878929	0.878898	0.879011	0.879256	0.879622	0.880099	1.19
1.20	0.880562	0.880486	0.880554	0.880756	0.881081	0.881519	1.20
1.21	0.882178	0.882056	0.882081	0.882241	0.882525	0.882924	1.21
1.22	0.883775	0.883609	0.883591	0.883710	0.883954	0.884314	1.22
1.23	0.885355	0.885145	0.885085	0.885163	0.885368	0.885690	1.23
1.24	0.886918	0.886665	0.886563	0.886601	0.886767	0.887051	1.24
1.25	0.888463	0.888167	0.888025	0.888023	0.888150	0.888397	1.25
1.26	0.889991	0.889653	0.889470	0.889429	0.889519	0.889730	1.26
1.27	0.891501	0.891123	0.890900	0.890821	0.890873	0.891048	1.27
1.28	0.892995	0.892576	0.892314	0.892197	0.892213	0.892352	1.28
1.29	0.894471	0.894012	0.893712	0.893558	0.893538	0.893642	1.29
1.30	0.895931	0.895433	0.895095	0.894904	0.894849	0.894919	1.30
1.31	0.897374	0.896838	0.896462	0.896236	0.896146	0.896181	1.31
1.32	0.898800	0.898226	0.897815	0.897553	0.897428	0.897430	1.32
1.33	0.900210	0.899599	0.899152	0.898855	0.898697	0.898666	1.33
1.34	0.901603	0.900956	0.900474	0.900143	0.899951	0.899888	1.34
1.35	0.902981	0.902298	0.901781	0.901416	0.901192	0.901098	1.35
1.36	0.904342	0.903625	0.903073	0.902676	0.902419	0.902294	1.36
1.37	0.905687	0.904936	0.904351	0.903921	0.903633	0.903477	1.37
1.38	0.907017	0.906232	0.905614	0.905152	0.904833	0.904647	1.38
1.39	0.908331	0.907512	0.906863	0.906370	0.906020	0.905804	1.39
1.40	0.909629	0.908778	0.908098	0.907574	0.907194	0.906949	1.40
1.41	0.910912	0.910030	0.909318	0.908764	0.908355	0.908081	1.41
1.42	0.912179	0.911266	0.910524	0.909941	0.909503	0.909200	1.42
1.43	0.913431	0.912488	0.911717	0.911104	0.910638	0.910308	1.43
1.44	0.914669	0.913696	0.912895	0.912254	0.911761	0.911403	1.44
1.45	0.915891	0.914889	0.914060	0.913391	0.912870	0.912486	1.45
1.46	0.917098	0.916068	0.915212	0.914516	0.913968	0.913557	1.46
1.47	0.918291	0.917233	0.916350	0.915627	0.915053	0.914617	1.47
1.48	0.919469	0.918385	0.917474	0.916725	0.916125	0.915664	1.48
1.49	0.920633	0.919522	0.918586	0.917811	0.917186	0.916700	1.49
1.50	0.921782	0.920646	0.919684	0.918884	0.918235	0.917724	1.50

SKEWNESS

t	0.0	0.1	0.2	0.3	0.4	0.5	t
1.50	0.933193	0.930647	0.928388	0.926393	0.924639	0.923108	1.50
1.51	0.934478	0.931908	0.929625	0.927604	0.925825	0.924269	1.51
1.52	0.935744	0.933151	0.930844	0.928799	0.926996	0.925415	1.52
1.53	0.936992	0.934376	0.932046	0.929978	0.928151	0.926546	1.53
1.54	0.938220	0.935584	0.933232	0.931141	0.929291	0.927663	1.54
1.55	0.939429	0.936773	0.934400	0.932288	0.930416	0.928765	1.55
1.56	0.940620	0.937945	0.935552	0.933419	0.931526	0.929853	1.56
1.57	0.941792	0.939100	0.936688	0.934535	0.932621	0.930927	1.57
1.58	0.942947	0.940238	0.937808	0.935635	0.933701	0.931987	1.58
1.59	0.944083	0.941358	0.938911	0.936720	0.934767	0.933034	1.59
1.60	0.945201	0.942462	0.939998	0.937790	0.935819	0.934066	1.60
1.61	0.946301	0.943548	0.941070	0.938845	0.936856	0.935086	1.61
1.62	0.947384	0.944619	0.942126	0.939885	0.937879	0.936091	1.62
1.63	0.948449	0.945673	0.943166	0.940910	0.938888	0.937084	1.63
1.64	0.949497	0.946710	0.944191	0.941921	0.939884	0.938063	1.64
1.65	0.950529	0.947732	0.945201	0.942918	0.940866	0.939029	1.65
1.66	0.951543	0.948737	0.946195	0.943900	0.941834	0.939982	1.66
1.67	0.952540	0.949727	0.947175	0.944868	0.942789	0.940923	1.67
1.68	0.953521	0.950701	0.948140	0.945822	0.943730	0.941851	1.68
1.69	0.954486	0.951660	0.949091	0.946762	0.944658	0.942766	1.69
1.70	0.955435	0.952604	0.950027	0.947688	0.945574	0.943669	1.70
1.71	0.956367	0.953532	0.950948	0.948601	0.946476	0.944559	1.71
1.72	0.957284	0.954446	0.951856	0.949500	0.947366	0.945438	1.72
1.73	0.958185	0.955345	0.952750	0.950387	0.948243	0.946304	1.73
1.74	0.959070	0.956229	0.953629	0.951260	0.949107	0.947159	1.74
1.75	0.959941	0.957098	0.954495	0.952120	0.949959	0.948002	1.75
1.76	0.960796	0.957954	0.955348	0.952967	0.950799	0.948833	1.76
1.77	0.961636	0.958795	0.956187	0.953802	0.951627	0.949652	1.77
1.78	0.962462	0.959623	0.957013	0.954624	0.952443	0.950461	1.78
1.79	0.963273	0.960436	0.957826	0.955433	0.953247	0.951258	1.79
1.80	0.964070	0.961236	0.958626	0.956230	0.954040	0.952044	1.80
1.81	0.964852	0.962023	0.959413	0.957015	0.954820	0.952818	1.81
1.82	0.965620	0.962796	0.960188	0.957788	0.955590	0.953582	1.82
1.83	0.966375	0.963556	0.960950	0.958550	0.956348	0.954335	1.83
1.84	0.967116	0.964303	0.961699	0.959299	0.957095	0.955078	1.84
1.85	0.967843	0.965037	0.962437	0.960037	0.957831	0.955809	1.85
1.86	0.968557	0.965759	0.963162	0.960763	0.958555	0.956531	1.86
1.87	0.969258	0.966468	0.963876	0.961479	0.959270	0.957242	1.87
1.88	0.969946	0.967165	0.964578	0.962182	0.959973	0.957943	1.88
1.89	0.970621	0.967849	0.965268	0.962875	0.960666	0.958634	1.89
1.90	0.971283	0.968522	0.965947	0.963557	0.961348	0.959315	1.90
1.91	0.971933	0.969183	0.966615	0.964228	0.962020	0.959986	1.91
1.92	0.972571	0.969832	0.967271	0.964889	0.962682	0.960647	1.92
1.93	0.973197	0.970469	0.967916	0.965539	0.963334	0.961299	1.93
1.94	0.973810	0.971095	0.968551	0.966178	0.963976	0.961941	1.94
1.95	0.974412	0.971710	0.969174	0.966808	0.964608	0.962573	1.95
1.96	0.975002	0.972313	0.969787	0.967427	0.965231	0.963197	1.96
1.97	0.975581	0.972906	0.970390	0.968036	0.965844	0.963811	1.97
1.98	0.976148	0.973488	0.970982	0.968635	0.966447	0.964416	1.98
1.99	0.976705	0.974059	0.971564	0.969224	0.967041	0.965013	1.99
2.00	0.977250	0.974620	0.972136	0.969804	0.967626	0.965600	2.00

SKEWNESS

t	0.6	0.7	0.8	0.9	1	1.1	t
1.50	0.921782	0.920646	0.919684	0.918884	0.918235	0.917724	1.50
1.51	0.922918	0.921756	0.920769	0.919945	0.919271	0.918737	1.51
1.52	0.924039	0.922853	0.921842	0.920994	0.920296	0.919738	1.52
1.53	0.925146	0.923936	0.922902	0.922030	0.921309	0.920729	1.53
1.54	0.926240	0.925006	0.923949	0.923054	0.922311	0.921708	1.54
1.55	0.927319	0.926064	0.924983	0.924066	0.923301	0.922676	1.55
1.56	0.928386	0.927108	0.926006	0.925067	0.924280	0.923633	1.56
1.57	0.929439	0.928139	0.927016	0.926056	0.925247	0.924579	1.57
1.58	0.930478	0.929158	0.928014	0.927033	0.926203	0.925515	1.58
1.59	0.931504	0.930164	0.929000	0.927998	0.927149	0.926440	1.59
1.60	0.932518	0.931158	0.929973	0.928952	0.928083	0.927355	1.60
1.61	0.933518	0.932139	0.930936	0.929895	0.929006	0.928259	1.61
1.62	0.934506	0.933108	0.931886	0.930827	0.929919	0.929153	1.62
1.63	0.935481	0.934065	0.932825	0.931747	0.930821	0.930037	1.63
1.64	0.936443	0.935010	0.933752	0.932657	0.931713	0.930910	1.64
1.65	0.937393	0.935943	0.934668	0.933555	0.932594	0.931774	1.65
1.66	0.938330	0.936865	0.935573	0.934443	0.933465	0.932627	1.66
1.67	0.939256	0.937775	0.936467	0.935321	0.934325	0.933471	1.67
1.68	0.940169	0.938673	0.937349	0.936187	0.935176	0.934306	1.68
1.69	0.941071	0.939560	0.938221	0.937043	0.936016	0.935130	1.69
1.70	0.941960	0.940435	0.939082	0.937889	0.936847	0.935945	1.70
1.71	0.942838	0.941300	0.939932	0.938725	0.937668	0.936751	1.71
1.72	0.943704	0.942153	0.940772	0.939551	0.938479	0.937547	1.72
1.73	0.944559	0.942995	0.941601	0.940366	0.939280	0.938334	1.73
1.74	0.945403	0.943827	0.942420	0.941172	0.940072	0.939112	1.74
1.75	0.946235	0.944647	0.943228	0.941967	0.940855	0.939881	1.75
1.76	0.947056	0.945457	0.944027	0.942753	0.941628	0.940641	1.76
1.77	0.947866	0.946257	0.944815	0.943530	0.942392	0.941392	1.77
1.78	0.948665	0.947046	0.945593	0.944296	0.943146	0.942134	1.78
1.79	0.949454	0.947825	0.946362	0.945054	0.943892	0.942868	1.79
1.80	0.950232	0.948594	0.947121	0.945802	0.944629	0.943593	1.80
1.81	0.950999	0.949353	0.947870	0.946541	0.945357	0.944309	1.81
1.82	0.951756	0.950101	0.948609	0.947270	0.946076	0.945017	1.82
1.83	0.952502	0.950840	0.949339	0.947991	0.946786	0.945717	1.83
1.84	0.953239	0.951569	0.950060	0.948702	0.947488	0.946408	1.84
1.85	0.953965	0.952289	0.950772	0.949405	0.948181	0.947092	1.85
1.86	0.954681	0.952999	0.951474	0.950099	0.948866	0.947767	1.86
1.87	0.955388	0.953699	0.952167	0.950785	0.949543	0.948434	1.87
1.88	0.956085	0.954390	0.952852	0.951461	0.950211	0.949093	1.88
1.89	0.956772	0.955072	0.953527	0.952130	0.950871	0.949745	1.89
1.90	0.957449	0.955745	0.954194	0.952790	0.951523	0.950389	1.90
1.91	0.958117	0.956409	0.954852	0.953441	0.952168	0.951025	1.91
1.92	0.958776	0.957064	0.955502	0.954085	0.952804	0.951653	1.92
1.93	0.959426	0.957709	0.956143	0.954720	0.953432	0.952274	1.93
1.94	0.960066	0.958347	0.956776	0.955347	0.954053	0.952888	1.94
1.95	0.960698	0.958975	0.957400	0.955966	0.954666	0.953494	1.95
1.96	0.961320	0.959595	0.958017	0.956578	0.955272	0.954093	1.96
1.97	0.961934	0.960207	0.958625	0.957181	0.955870	0.954684	1.97
1.98	0.962539	0.960810	0.959225	0.957777	0.956460	0.955269	1.98
1.99	0.963135	0.961405	0.959817	0.958365	0.957044	0.955847	1.99
2.00	0.963723	0.961992	0.960402	0.958946	0.957620	0.956417	2.00

SKEWNESS

t	0.0	0.1	0.2	0.3	0.4	0.5	t
2.00	0.977250	0.974620	0.972136	0.969804	0.967626	0.965600	2.00
2.01	0.977784	0.975170	0.972698	0.970375	0.968202	0.966179	2.01
2.02	0.978308	0.975711	0.973251	0.970936	0.968768	0.966749	2.02
2.03	0.978822	0.976241	0.973793	0.971487	0.969326	0.967310	2.03
2.04	0.979325	0.976761	0.974326	0.972030	0.969875	0.967863	2.04
2.05	0.979818	0.977271	0.974850	0.972563	0.970415	0.968408	2.05
2.06	0.980301	0.977772	0.975365	0.973088	0.970947	0.968944	2.06
2.07	0.980774	0.978264	0.975870	0.973604	0.971471	0.969473	2.07
2.08	0.981237	0.978745	0.976366	0.974111	0.971986	0.969993	2.08
2.09	0.981691	0.979218	0.976854	0.974609	0.972492	0.970505	2.09
2.10	0.982136	0.979682	0.977332	0.975100	0.972991	0.971010	2.10
2.11	0.982571	0.980137	0.977802	0.975581	0.973482	0.971507	2.11
2.12	0.982997	0.980583	0.978264	0.976055	0.973964	0.971996	2.12
2.13	0.983414	0.981020	0.978717	0.976521	0.974439	0.972478	2.13
2.14	0.983823	0.981449	0.979162	0.976978	0.974907	0.972952	2.14
2.15	0.984222	0.981869	0.979599	0.977428	0.975366	0.973419	2.15
2.16	0.984614	0.982281	0.980028	0.977870	0.975818	0.973879	2.16
2.17	0.984997	0.982685	0.980449	0.978304	0.976263	0.974332	2.17
2.18	0.985371	0.983081	0.980862	0.978731	0.976701	0.974777	2.18
2.19	0.985738	0.983469	0.981267	0.979151	0.977131	0.975216	2.19
2.20	0.986097	0.983849	0.981665	0.979563	0.977554	0.975648	2.20
2.21	0.986447	0.984222	0.982056	0.979967	0.977970	0.976073	2.21
2.22	0.986791	0.984587	0.982439	0.980365	0.978380	0.976491	2.22
2.23	0.987126	0.984945	0.982815	0.980756	0.978782	0.976903	2.23
2.24	0.987455	0.985296	0.983184	0.981140	0.979178	0.977308	2.24
2.25	0.987776	0.985639	0.983546	0.981517	0.979567	0.977707	2.25
2.26	0.988089	0.985975	0.983901	0.981887	0.979950	0.978099	2.26
2.27	0.988396	0.986305	0.984249	0.982251	0.980326	0.978486	2.27
2.28	0.988696	0.986627	0.984590	0.982608	0.980696	0.978866	2.28
2.29	0.988989	0.986943	0.984925	0.982959	0.981060	0.979240	2.29
2.30	0.989276	0.987253	0.985254	0.983303	0.981417	0.979608	2.30
2.31	0.989556	0.987556	0.985576	0.983641	0.981768	0.979970	2.31
2.32	0.989830	0.987852	0.985892	0.983973	0.982114	0.980326	2.32
2.33	0.990097	0.988143	0.986202	0.984299	0.982453	0.980677	2.33
2.34	0.990358	0.988427	0.986506	0.984620	0.982787	0.981022	2.34
2.35	0.990613	0.988705	0.986804	0.984934	0.983115	0.981361	2.35
2.36	0.990863	0.988977	0.987096	0.985242	0.983438	0.981695	2.36
2.37	0.991106	0.989244	0.987382	0.985545	0.983754	0.982023	2.37
2.38	0.991344	0.989505	0.987662	0.985843	0.984066	0.982346	2.38
2.39	0.991576	0.989760	0.987937	0.986134	0.984372	0.982664	2.39
2.40	0.991802	0.990010	0.988207	0.986421	0.984672	0.982976	2.40
2.41	0.992024	0.990254	0.988471	0.986702	0.984968	0.983283	2.41
2.42	0.992240	0.990493	0.988730	0.986978	0.985258	0.983586	2.42
2.43	0.992451	0.990727	0.988984	0.987249	0.985543	0.983883	2.43
2.44	0.992656	0.990955	0.989232	0.987514	0.985823	0.984175	2.44
2.45	0.992857	0.991179	0.989476	0.987775	0.986098	0.984463	2.45
2.46	0.993053	0.991398	0.989714	0.988031	0.986369	0.984746	2.46
2.47	0.993244	0.991612	0.989948	0.988281	0.986634	0.985024	2.47
2.48	0.993431	0.991821	0.990177	0.988528	0.986895	0.985297	2.48
2.49	0.993613	0.992025	0.990401	0.988769	0.987152	0.985566	2.49
2.50	0.993790	0.992225	0.990621	0.989006	0.987403	0.985830	2.50

SKEWNESS

t	0.6	0.7	0.8	0.9	1	1.1	t
2.00	0.963723	0.961992	0.960402	0.958946	0.957620	0.956417	2.00
2.01	0.964303	0.962571	0.960978	0.959519	0.958189	0.956981	2.01
2.02	0.964874	0.963142	0.961547	0.960085	0.958751	0.957538	2.02
2.03	0.965437	0.963705	0.962109	0.960644	0.959306	0.958088	2.03
2.04	0.965992	0.964260	0.962663	0.961196	0.959854	0.958632	2.04
2.05	0.966539	0.964808	0.963209	0.961740	0.960395	0.959169	2.05
2.06	0.967079	0.965348	0.963749	0.962277	0.960929	0.959699	2.06
2.07	0.967610	0.965880	0.964281	0.962808	0.961457	0.960223	2.07
2.08	0.968133	0.966405	0.964806	0.963331	0.961978	0.960740	2.08
2.09	0.968649	0.966923	0.965324	0.963848	0.962492	0.961252	2.09
2.10	0.969158	0.967433	0.965834	0.964358	0.963000	0.961757	2.10
2.11	0.969659	0.967937	0.966338	0.964861	0.963502	0.962256	2.11
2.12	0.970153	0.968433	0.966836	0.965358	0.963997	0.962748	2.12
2.13	0.970639	0.968922	0.967326	0.965848	0.964486	0.963235	2.13
2.14	0.971118	0.969404	0.967810	0.966332	0.964969	0.963716	2.14
2.15	0.971590	0.969880	0.968287	0.966810	0.965446	0.964191	2.15
2.16	0.972056	0.970349	0.968758	0.967281	0.965916	0.964660	2.16
2.17	0.972514	0.970811	0.969222	0.967746	0.966381	0.965123	2.17
2.18	0.972965	0.971266	0.969680	0.968205	0.966840	0.965580	2.18
2.19	0.973410	0.971715	0.970132	0.968658	0.967293	0.966032	2.19
2.20	0.973848	0.972158	0.970577	0.969105	0.967740	0.966479	2.20
2.21	0.974280	0.972594	0.971017	0.969546	0.968181	0.966919	2.21
2.22	0.974705	0.973024	0.971450	0.969981	0.968617	0.967355	2.22
2.23	0.975124	0.973448	0.971877	0.970411	0.969047	0.967785	2.23
2.24	0.975536	0.973866	0.972299	0.970834	0.969472	0.968209	2.24
2.25	0.975943	0.974278	0.972714	0.971252	0.969891	0.968628	2.25
2.26	0.976343	0.974684	0.973124	0.971665	0.970305	0.969043	2.26
2.27	0.976737	0.975084	0.973528	0.972072	0.970713	0.969451	2.27
2.28	0.977125	0.975478	0.973927	0.972473	0.971116	0.969855	2.28
2.29	0.977507	0.975866	0.974320	0.972869	0.971515	0.970254	2.29
2.30	0.977883	0.976249	0.974708	0.973260	0.971907	0.970648	2.30
2.31	0.978254	0.976626	0.975090	0.973646	0.972295	0.971037	2.31
2.32	0.978619	0.976998	0.975466	0.974026	0.972678	0.971421	2.32
2.33	0.978978	0.977364	0.975838	0.974402	0.973056	0.971800	2.33
2.34	0.979332	0.977725	0.976204	0.974772	0.973429	0.972175	2.34
2.35	0.979680	0.978081	0.976565	0.975137	0.973797	0.972544	2.35
2.36	0.980024	0.978431	0.976921	0.975497	0.974160	0.972909	2.36
2.37	0.980361	0.978776	0.977273	0.975853	0.974519	0.973270	2.37
2.38	0.980694	0.979116	0.977619	0.976203	0.974872	0.973626	2.38
2.39	0.981021	0.979451	0.977960	0.976549	0.975222	0.973977	2.39
2.40	0.981343	0.979782	0.978296	0.976890	0.975566	0.974324	2.40
2.41	0.981660	0.980107	0.978628	0.977227	0.975907	0.974667	2.41
2.42	0.981973	0.980427	0.978955	0.977559	0.976242	0.975005	2.42
2.43	0.982280	0.980743	0.979277	0.977886	0.976574	0.975339	2.43
2.44	0.982583	0.981054	0.979594	0.978209	0.976900	0.975669	2.44
2.45	0.982880	0.981360	0.979908	0.978528	0.977223	0.975995	2.45
2.46	0.983174	0.981662	0.980216	0.978842	0.977541	0.976316	2.46
2.47	0.983462	0.981959	0.980520	0.979152	0.977856	0.976634	2.47
2.48	0.983746	0.982251	0.980820	0.979457	0.978166	0.976947	2.48
2.49	0.984026	0.982540	0.981116	0.979759	0.978472	0.977257	2.49
2.50	0.984301	0.982824	0.981407	0.980056	0.978774	0.977562	2.50

SKEWNESS

t	0.0	0.1	0.2	0.3	0.4	0.5	t
2.50	0.993790	0.992225	0.990621	0.989006	0.987403	0.985830	2.50
2.51	0.993963	0.992421	0.990836	0.989238	0.987650	0.986090	2.51
2.52	0.994132	0.992612	0.991047	0.989466	0.987893	0.986346	2.52
2.53	0.994297	0.992799	0.991253	0.989690	0.988132	0.986597	2.53
2.54	0.994457	0.992981	0.991455	0.989909	0.988366	0.986844	2.54
2.55	0.994614	0.993159	0.991653	0.990124	0.988596	0.987087	2.55
2.56	0.994766	0.993334	0.991847	0.990335	0.988822	0.987326	2.56
2.57	0.994915	0.993504	0.992036	0.990542	0.989043	0.987560	2.57
2.58	0.995060	0.993671	0.992222	0.990744	0.989261	0.987791	2.58
2.59	0.995201	0.993833	0.992404	0.990943	0.989475	0.988018	2.59
2.60	0.995339	0.993992	0.992582	0.991138	0.989685	0.988240	2.60
2.61	0.995473	0.994147	0.992756	0.991329	0.989891	0.988459	2.61
2.62	0.995604	0.994299	0.992926	0.991516	0.990093	0.988675	2.62
2.63	0.995731	0.994447	0.993093	0.991700	0.990291	0.988886	2.63
2.64	0.995855	0.994591	0.993256	0.991880	0.990486	0.989094	2.64
2.65	0.995975	0.994732	0.993416	0.992057	0.990677	0.989299	2.65
2.66	0.996093	0.994870	0.993573	0.992230	0.990865	0.989499	2.66
2.67	0.996207	0.995005	0.993725	0.992399	0.991050	0.989697	2.67
2.68	0.996319	0.995136	0.993875	0.992565	0.991230	0.989891	2.68
2.69	0.996427	0.995264	0.994021	0.992728	0.991408	0.990081	2.69
2.70	0.996533	0.995389	0.994165	0.992888	0.991582	0.990268	2.70
2.71	0.996636	0.995512	0.994305	0.993044	0.991753	0.990452	2.71
2.72	0.996736	0.995631	0.994442	0.993197	0.991921	0.990633	2.72
2.73	0.996833	0.995747	0.994576	0.993347	0.992086	0.990811	2.73
2.74	0.996928	0.995861	0.994707	0.993494	0.992247	0.990985	2.74
2.75	0.997020	0.995972	0.994835	0.993638	0.992406	0.991156	2.75
2.76	0.997110	0.996080	0.994960	0.993780	0.992561	0.991325	2.76
2.77	0.997197	0.996185	0.995083	0.993918	0.992714	0.991490	2.77
2.78	0.997282	0.996288	0.995203	0.994053	0.992863	0.991653	2.78
2.79	0.997365	0.996388	0.995320	0.994186	0.993010	0.991812	2.79
2.80	0.997445	0.996486	0.995435	0.994316	0.993154	0.991969	2.80
2.81	0.997523	0.996582	0.995547	0.994443	0.993295	0.992123	2.81
2.82	0.997599	0.996675	0.995656	0.994568	0.993434	0.992274	2.82
2.83	0.997673	0.996766	0.995763	0.994690	0.993570	0.992422	2.83
2.84	0.997744	0.996854	0.995868	0.994810	0.993703	0.992568	2.84
2.85	0.997814	0.996941	0.995970	0.994927	0.993834	0.992712	2.85
2.86	0.997882	0.997025	0.996070	0.995041	0.993962	0.992852	2.86
2.87	0.997948	0.997107	0.996167	0.995154	0.994088	0.992990	2.87
2.88	0.998012	0.997187	0.996263	0.995264	0.994212	0.993126	2.88
2.89	0.998074	0.997265	0.996356	0.995371	0.994333	0.993259	2.89
2.90	0.998134	0.997341	0.996447	0.995477	0.994451	0.993390	2.90
2.91	0.998193	0.997415	0.996536	0.995580	0.994568	0.993519	2.91
2.92	0.998250	0.997487	0.996623	0.995681	0.994682	0.993645	2.92
2.93	0.998305	0.997557	0.996708	0.995780	0.994794	0.993768	2.93
2.94	0.998359	0.997626	0.996791	0.995876	0.994903	0.993890	2.94
2.95	0.998411	0.997693	0.996872	0.995971	0.995011	0.994009	2.95
2.96	0.998462	0.997758	0.996951	0.996064	0.995116	0.994127	2.96
2.97	0.998511	0.997821	0.997028	0.996154	0.995219	0.994242	2.97
2.98	0.998559	0.997883	0.997104	0.996243	0.995321	0.994355	2.98
2.99	0.998605	0.997943	0.997178	0.996330	0.995420	0.994465	2.99
3.00	0.998650	0.998001	0.997250	0.996415	0.995517	0.994574	3.00

SKEWNESS

t	0.6	0.7	0.8	0.9	1	1.1	t
2.50	0.984301	0.982824	0.981407	0.980056	0.978774	0.977562	2.50
2.51	0.984571	0.983103	0.981694	0.980349	0.979071	0.977864	2.51
2.52	0.984838	0.983379	0.981977	0.980638	0.979365	0.978161	2.52
2.53	0.985100	0.983650	0.982256	0.980923	0.979655	0.978455	2.53
2.54	0.985358	0.983917	0.982531	0.981204	0.979942	0.978745	2.54
2.55	0.985611	0.984180	0.982802	0.981482	0.980224	0.979032	2.55
2.56	0.985861	0.984440	0.983069	0.981755	0.980503	0.979314	2.56
2.57	0.986107	0.984695	0.983332	0.982025	0.980777	0.979593	2.57
2.58	0.986349	0.984946	0.983591	0.982290	0.981049	0.979869	2.58
2.59	0.986587	0.985193	0.983847	0.982553	0.981316	0.980141	2.59
2.60	0.986821	0.985437	0.984098	0.982811	0.981580	0.980409	2.60
2.61	0.987051	0.985677	0.984346	0.983066	0.981841	0.980674	2.61
2.62	0.987278	0.985913	0.984591	0.983317	0.982098	0.980936	2.62
2.63	0.987500	0.986146	0.984832	0.983565	0.982351	0.981194	2.63
2.64	0.987720	0.986375	0.985069	0.983810	0.982602	0.981449	2.64
2.65	0.987935	0.986600	0.985303	0.984050	0.982848	0.981701	2.65
2.66	0.988148	0.986822	0.985533	0.984288	0.983092	0.981949	2.66
2.67	0.988356	0.987041	0.985760	0.984522	0.983332	0.982194	2.67
2.68	0.988562	0.987256	0.985984	0.984753	0.983569	0.982436	2.68
2.69	0.988764	0.987468	0.986204	0.984981	0.983803	0.982675	2.69
2.70	0.988962	0.987676	0.986422	0.985205	0.984033	0.982911	2.70
2.71	0.989157	0.987882	0.986635	0.985426	0.984261	0.983143	2.71
2.72	0.989350	0.988084	0.986846	0.985645	0.984485	0.983373	2.72
2.73	0.989539	0.988283	0.987054	0.985860	0.984707	0.983600	2.73
2.74	0.989724	0.988479	0.987258	0.986072	0.984925	0.983823	2.74
2.75	0.989907	0.988671	0.987460	0.986281	0.985140	0.984044	2.75
2.76	0.990087	0.988861	0.987658	0.986487	0.985353	0.984262	2.76
2.77	0.990264	0.989048	0.987854	0.986690	0.985562	0.984477	2.77
2.78	0.990438	0.989232	0.988046	0.986890	0.985769	0.984689	2.78
2.79	0.990608	0.989413	0.988236	0.987087	0.985973	0.984899	2.79
2.80	0.990777	0.989591	0.988423	0.987282	0.986174	0.985105	2.80
2.81	0.990942	0.989766	0.988607	0.987474	0.986372	0.985309	2.81
2.82	0.991104	0.989939	0.988789	0.987663	0.986568	0.985511	2.82
2.83	0.991264	0.990109	0.988967	0.987849	0.986761	0.985709	2.83
2.84	0.991421	0.990276	0.989143	0.988033	0.986951	0.985906	2.84
2.85	0.991576	0.990440	0.989316	0.988214	0.987139	0.986099	2.85
2.86	0.991727	0.990602	0.989487	0.988392	0.987324	0.986290	2.86
2.87	0.991877	0.990761	0.989655	0.988568	0.987507	0.986478	2.87
2.88	0.992024	0.990918	0.989821	0.988741	0.987687	0.986664	2.88
2.89	0.992168	0.991072	0.989984	0.988912	0.987865	0.986848	2.89
2.90	0.992310	0.991224	0.990144	0.989080	0.988040	0.987029	2.90
2.91	0.992449	0.991373	0.990302	0.989246	0.988213	0.987208	2.91
2.92	0.992586	0.991520	0.990458	0.989410	0.988383	0.987384	2.92
2.93	0.992721	0.991665	0.990612	0.989571	0.988551	0.987558	2.93
2.94	0.992853	0.991807	0.990763	0.989730	0.988717	0.987730	2.94
2.95	0.992984	0.991947	0.990911	0.989886	0.988880	0.987899	2.95
2.96	0.993112	0.992085	0.991058	0.990041	0.989041	0.988066	2.96
2.97	0.993237	0.992220	0.991202	0.990193	0.989200	0.988231	2.97
2.98	0.993361	0.992353	0.991344	0.990343	0.989357	0.988394	2.98
2.99	0.993482	0.992485	0.991484	0.990490	0.989512	0.988555	2.99
3.00	0.993602	0.992614	0.991622	0.990636	0.989664	0.988713	3.00

SKEWNESS

t	0.0	0.1	0.2	0.3	0.4	0.5	t
3.00	0.998650	0.998001	0.997250	0.996415	0.995517	0.994574	3.00
3.01	0.998694	0.998058	0.997320	0.996498	0.995613	0.994681	3.01
3.02	0.998736	0.998114	0.997389	0.996580	0.995706	0.994786	3.02
3.03	0.998777	0.998168	0.997456	0.996659	0.995798	0.994889	3.03
3.04	0.998817	0.998220	0.997521	0.996737	0.995888	0.994990	3.04
3.05	0.998856	0.998272	0.997585	0.996813	0.995976	0.995089	3.05
3.06	0.998893	0.998322	0.997647	0.996888	0.996062	0.995186	3.06
3.07	0.998930	0.998370	0.997708	0.996961	0.996147	0.995282	3.07
3.08	0.998965	0.998417	0.997767	0.997032	0.996229	0.995376	3.08
3.09	0.998999	0.998463	0.997825	0.997102	0.996311	0.995467	3.09
3.10	0.999032	0.998508	0.997882	0.997170	0.996390	0.995558	3.10
3.11	0.999065	0.998552	0.997937	0.997237	0.996468	0.995646	3.11
3.12	0.999096	0.998594	0.997991	0.997302	0.996545	0.995733	3.12
3.13	0.999126	0.998635	0.998044	0.997366	0.996619	0.995819	3.13
3.14	0.999155	0.998675	0.998095	0.997429	0.996693	0.995902	3.14
3.15	0.999184	0.998714	0.998145	0.997490	0.996765	0.995984	3.15
3.16	0.999211	0.998752	0.998194	0.997550	0.996835	0.996065	3.16
3.17	0.999238	0.998789	0.998241	0.997608	0.996904	0.996144	3.17
3.18	0.999264	0.998825	0.998288	0.997665	0.996971	0.996221	3.18
3.19	0.999289	0.998860	0.998333	0.997721	0.997038	0.996298	3.19
3.20	0.999313	0.998894	0.998377	0.997775	0.997102	0.996372	3.20
3.21	0.999336	0.998927	0.998420	0.997829	0.997166	0.996445	3.21
3.22	0.999359	0.998959	0.998462	0.997881	0.997228	0.996517	3.22
3.23	0.999381	0.998990	0.998503	0.997932	0.997289	0.996588	3.23
3.24	0.999402	0.999020	0.998543	0.997982	0.997348	0.996657	3.24
3.25	0.999423	0.999050	0.998582	0.998031	0.997407	0.996725	3.25
3.26	0.999443	0.999079	0.998620	0.998078	0.997464	0.996791	3.26
3.27	0.999462	0.999106	0.998657	0.998125	0.997520	0.996856	3.27
3.28	0.999481	0.999134	0.998694	0.998170	0.997575	0.996920	3.28
3.29	0.999499	0.999160	0.998729	0.998215	0.997629	0.996983	3.29
3.30	0.999517	0.999185	0.998763	0.998258	0.997681	0.997045	3.30
3.31	0.999534	0.999210	0.998797	0.998300	0.997733	0.997105	3.31
3.32	0.999550	0.999234	0.998829	0.998342	0.997783	0.997164	3.32
3.33	0.999566	0.999258	0.998861	0.998382	0.997832	0.997222	3.33
3.34	0.999581	0.999281	0.998892	0.998422	0.997881	0.997279	3.34
3.35	0.999596	0.999303	0.998922	0.998461	0.997928	0.997335	3.35
3.36	0.999610	0.999324	0.998952	0.998499	0.997974	0.997390	3.36
3.37	0.999624	0.999345	0.998980	0.998535	0.998020	0.997443	3.37
3.38	0.999638	0.999365	0.999008	0.998572	0.998064	0.997496	3.38
3.39	0.999651	0.999385	0.999035	0.998607	0.998107	0.997547	3.39
3.40	0.999663	0.999404	0.999062	0.998641	0.998150	0.997598	3.40
3.41	0.999675	0.999423	0.999088	0.998675	0.998192	0.997648	3.41
3.42	0.999687	0.999441	0.999113	0.998708	0.998232	0.997696	3.42
3.43	0.999698	0.999458	0.999137	0.998740	0.998272	0.997744	3.43
3.44	0.999709	0.999475	0.999161	0.998771	0.998311	0.997791	3.44
3.45	0.999720	0.999492	0.999185	0.998802	0.998349	0.997837	3.45
3.46	0.999730	0.999508	0.999207	0.998831	0.998387	0.997881	3.46
3.47	0.999740	0.999523	0.999229	0.998861	0.998423	0.997926	3.47
3.48	0.999749	0.999538	0.999251	0.998889	0.998459	0.997969	3.48
3.49	0.999758	0.999553	0.999272	0.998917	0.998494	0.998011	3.49
3.50	0.999767	0.999567	0.999292	0.998944	0.998528	0.998053	3.50

SKEWNESS

t	0.6	0.7	0.8	0.9	1	1.1	t
3.00	0.993602	0.992614	0.991622	0.990636	0.989664	0.988713	3.00
3.01	0.993719	0.992741	0.991757	0.990779	0.989814	0.988869	3.01
3.02	0.993834	0.992865	0.991891	0.990920	0.989962	0.989024	3.02
3.03	0.993948	0.992988	0.992022	0.991060	0.990109	0.989176	3.03
3.04	0.994059	0.993109	0.992152	0.991197	0.990253	0.989326	3.04
3.05	0.994169	0.993228	0.992279	0.991332	0.990395	0.989474	3.05
3.06	0.994276	0.993345	0.992405	0.991465	0.990535	0.989621	3.06
3.07	0.994382	0.993460	0.992528	0.991596	0.990673	0.989765	3.07
3.08	0.994486	0.993573	0.992650	0.991726	0.990809	0.989907	3.08
3.09	0.994588	0.993684	0.992770	0.991853	0.990943	0.990048	3.09
3.10	0.994688	0.993794	0.992888	0.991979	0.991076	0.990186	3.10
3.11	0.994786	0.993902	0.993004	0.992102	0.991206	0.990323	3.11
3.12	0.994883	0.994008	0.993118	0.992224	0.991335	0.990458	3.12
3.13	0.994978	0.994112	0.993230	0.992344	0.991462	0.990591	3.13
3.14	0.995072	0.994214	0.993341	0.992463	0.991587	0.990722	3.14
3.15	0.995163	0.994315	0.993450	0.992579	0.991711	0.990851	3.15
3.16	0.995254	0.994414	0.993558	0.992694	0.991832	0.990979	3.16
3.17	0.995342	0.994511	0.993663	0.992807	0.991952	0.991105	3.17
3.18	0.995429	0.994607	0.993767	0.992919	0.992070	0.991229	3.18
3.19	0.995515	0.994702	0.993870	0.993029	0.992187	0.991352	3.19
3.20	0.995599	0.994794	0.993970	0.993137	0.992302	0.991473	3.20
3.21	0.995681	0.994885	0.994070	0.993243	0.992415	0.991592	3.21
3.22	0.995762	0.994975	0.994167	0.993348	0.992527	0.991710	3.22
3.23	0.995842	0.995063	0.994263	0.993452	0.992637	0.991826	3.23
3.24	0.995920	0.995150	0.994358	0.993554	0.992746	0.991941	3.24
3.25	0.995997	0.995235	0.994451	0.993654	0.992853	0.992054	3.25
3.26	0.996072	0.995319	0.994543	0.993753	0.992958	0.992166	3.26
3.27	0.996146	0.995401	0.994633	0.993850	0.993062	0.992276	3.27
3.28	0.996219	0.995482	0.994722	0.993946	0.993165	0.992384	3.28
3.29	0.996290	0.995562	0.994809	0.994041	0.993266	0.992491	3.29
3.30	0.996360	0.995640	0.994895	0.994134	0.993365	0.992597	3.30
3.31	0.996429	0.995717	0.994980	0.994226	0.993464	0.992701	3.31
3.32	0.996497	0.995793	0.995063	0.994316	0.993560	0.992804	3.32
3.33	0.996563	0.995868	0.995145	0.994405	0.993656	0.992905	3.33
3.34	0.996629	0.995941	0.995226	0.994492	0.993750	0.993005	3.34
3.35	0.996693	0.996013	0.995305	0.994579	0.993843	0.993103	3.35
3.36	0.996756	0.996083	0.995383	0.994664	0.993934	0.993201	3.36
3.37	0.996817	0.996153	0.995460	0.994748	0.994024	0.993297	3.37
3.38	0.996878	0.996221	0.995536	0.994830	0.994113	0.993391	3.38
3.39	0.996938	0.996289	0.995610	0.994911	0.994200	0.993485	3.39
3.40	0.996996	0.996355	0.995683	0.994991	0.994287	0.993577	3.40
3.41	0.997054	0.996420	0.995755	0.995070	0.994372	0.993667	3.41
3.42	0.997110	0.996483	0.995826	0.995148	0.994456	0.993757	3.42
3.43	0.997165	0.996546	0.995896	0.995224	0.994538	0.993845	3.43
3.44	0.997220	0.996608	0.995965	0.995299	0.994620	0.993932	3.44
3.45	0.997273	0.996669	0.996032	0.995374	0.994700	0.994018	3.45
3.46	0.997325	0.996728	0.996099	0.995447	0.994779	0.994103	3.46
3.47	0.997377	0.996787	0.996164	0.995519	0.994857	0.994187	3.47
3.48	0.997427	0.996844	0.996229	0.995589	0.994934	0.994269	3.48
3.49	0.997477	0.996901	0.996292	0.995659	0.995009	0.994350	3.49
3.50	0.997526	0.996957	0.996354	0.995728	0.995084	0.994431	3.50

SKEWNESS

t	0.0	0.1	0.2	0.3	0.4	0.5	t
3.50	0.999767	0.999567	0.999292	0.998944	0.998528	0.998053	3.50
3.51	0.999776	0.999581	0.999312	0.998971	0.998562	0.998093	3.51
3.52	0.999784	0.999594	0.999331	0.998996	0.998595	0.998133	3.52
3.53	0.999792	0.999607	0.999350	0.999022	0.998627	0.998172	3.53
3.54	0.999800	0.999620	0.999368	0.999046	0.998658	0.998210	3.54
3.55	0.999807	0.999632	0.999386	0.999070	0.998689	0.998248	3.55
3.56	0.999815	0.999644	0.999404	0.999094	0.998719	0.998285	3.56
3.57	0.999822	0.999655	0.999420	0.999117	0.998748	0.998321	3.57
3.58	0.999828	0.999666	0.999437	0.999139	0.998777	0.998356	3.58
3.59	0.999835	0.999677	0.999453	0.999161	0.998805	0.998391	3.59
3.60	0.999841	0.999688	0.999468	0.999183	0.998833	0.998425	3.60
3.61	0.999847	0.999698	0.999484	0.999203	0.998860	0.998458	3.61
3.62	0.999853	0.999708	0.999498	0.999224	0.998886	0.998490	3.62
3.63	0.999858	0.999717	0.999513	0.999243	0.998912	0.998522	3.63
3.64	0.999864	0.999726	0.999527	0.999263	0.998937	0.998554	3.64
3.65	0.999869	0.999735	0.999540	0.999282	0.998962	0.998584	3.65
3.66	0.999874	0.999744	0.999553	0.999300	0.998986	0.998614	3.66
3.67	0.999879	0.999752	0.999566	0.999318	0.999009	0.998644	3.67
3.68	0.999883	0.999760	0.999579	0.999336	0.999032	0.998673	3.68
3.69	0.999888	0.999768	0.999591	0.999353	0.999055	0.998701	3.69
3.70	0.999892	0.999776	0.999603	0.999369	0.999077	0.998728	3.70
3.71	0.999896	0.999783	0.999614	0.999386	0.999098	0.998756	3.71
3.72	0.999900	0.999791	0.999626	0.999402	0.999119	0.998782	3.72
3.73	0.999904	0.999798	0.999636	0.999417	0.999140	0.998808	3.73
3.74	0.999908	0.999804	0.999647	0.999432	0.999160	0.998834	3.74
3.75	0.999912	0.999811	0.999657	0.999447	0.999180	0.998859	3.75
3.76	0.999915	0.999817	0.999667	0.999461	0.999199	0.998883	3.76
3.77	0.999918	0.999823	0.999677	0.999475	0.999218	0.998907	3.77
3.78	0.999922	0.999829	0.999686	0.999489	0.999236	0.998930	3.78
3.79	0.999925	0.999835	0.999696	0.999502	0.999254	0.998953	3.79
3.80	0.999928	0.999840	0.999705	0.999515	0.999272	0.998976	3.80
3.81	0.999931	0.999846	0.999713	0.999528	0.999289	0.998998	3.81
3.82	0.999933	0.999851	0.999722	0.999540	0.999306	0.999020	3.82
3.83	0.999936	0.999856	0.999730	0.999552	0.999322	0.999041	3.83
3.84	0.999938	0.999861	0.999738	0.999564	0.999338	0.999061	3.84
3.85	0.999941	0.999866	0.999746	0.999576	0.999354	0.999082	3.85
3.86	0.999943	0.999870	0.999753	0.999587	0.999369	0.999102	3.86
3.87	0.999946	0.999875	0.999761	0.999598	0.999384	0.999121	3.87
3.88	0.999948	0.999879	0.999768	0.999608	0.999399	0.999140	3.88
3.89	0.999950	0.999883	0.999775	0.999619	0.999413	0.999159	3.89
3.90	0.999952	0.999887	0.999781	0.999629	0.999427	0.999177	3.90
3.91	0.999954	0.999891	0.999788	0.999639	0.999441	0.999195	3.91
3.92	0.999956	0.999895	0.999794	0.999648	0.999454	0.999212	3.92
3.93	0.999958	0.999898	0.999800	0.999658	0.999467	0.999230	3.93
3.94	0.999959	0.999902	0.999806	0.999667	0.999480	0.999246	3.94
3.95	0.999961	0.999905	0.999812	0.999676	0.999493	0.999263	3.95
3.96	0.999963	0.999909	0.999818	0.999684	0.999505	0.999279	3.96
3.97	0.999964	0.999912	0.999823	0.999693	0.999517	0.999295	3.97
3.98	0.999966	0.999915	0.999829	0.999701	0.999528	0.999310	3.98
3.99	0.999967	0.999918	0.999834	0.999709	0.999540	0.999325	3.99
4.00	0.999968	0.999921	0.999839	0.999717	0.999551	0.999340	4.00

SKEWNESS

t	0.6	0.7	0.8	0.9	1	1.1	t
3.50	0.997526	0.996957	0.996354	0.995728	0.995084	0.994431	3.50
3.51	0.997573	0.997011	0.996416	0.995795	0.995158	0.994510	3.51
3.52	0.997620	0.997065	0.996476	0.995862	0.995230	0.994588	3.52
3.53	0.997666	0.997118	0.996536	0.995928	0.995302	0.994665	3.53
3.54	0.997711	0.997170	0.996594	0.995992	0.995372	0.994740	3.54
3.55	0.997756	0.997221	0.996651	0.996056	0.995441	0.994815	3.55
3.56	0.997799	0.997271	0.996708	0.996118	0.995510	0.994889	3.56
3.57	0.997842	0.997320	0.996764	0.996180	0.995577	0.994962	3.57
3.58	0.997884	0.997369	0.996818	0.996241	0.995644	0.995034	3.58
3.59	0.997925	0.997416	0.996872	0.996301	0.995709	0.995104	3.59
3.60	0.997965	0.997463	0.996925	0.996359	0.995774	0.995174	3.60
3.61	0.998005	0.997509	0.996977	0.996417	0.995837	0.995243	3.61
3.62	0.998044	0.997554	0.997028	0.996475	0.995900	0.995311	3.62
3.63	0.998082	0.997598	0.997079	0.996531	0.995962	0.995378	3.63
3.64	0.998120	0.997642	0.997128	0.996586	0.996022	0.995444	3.64
3.65	0.998156	0.997685	0.997177	0.996641	0.996082	0.995509	3.65
3.66	0.998192	0.997727	0.997225	0.996694	0.996141	0.995573	3.66
3.67	0.998228	0.997768	0.997272	0.996747	0.996200	0.995636	3.67
3.68	0.998263	0.997809	0.997319	0.996799	0.996257	0.995699	3.68
3.69	0.998297	0.997849	0.997364	0.996850	0.996314	0.995760	3.69
3.70	0.998330	0.997888	0.997409	0.996901	0.996369	0.995821	3.70
3.71	0.998363	0.997927	0.997453	0.996950	0.996424	0.995881	3.71
3.72	0.998395	0.997964	0.997497	0.996999	0.996478	0.995940	3.72
3.73	0.998427	0.998002	0.997540	0.997047	0.996532	0.995998	3.73
3.74	0.998458	0.998038	0.997582	0.997095	0.996584	0.996056	3.74
3.75	0.998488	0.998074	0.997623	0.997141	0.996636	0.996112	3.75
3.76	0.998518	0.998109	0.997664	0.997187	0.996687	0.996168	3.76
3.77	0.998547	0.998144	0.997704	0.997233	0.996737	0.996223	3.77
3.78	0.998576	0.998178	0.997743	0.997277	0.996786	0.996277	3.78
3.79	0.998604	0.998211	0.997782	0.997321	0.996835	0.996331	3.79
3.80	0.998632	0.998244	0.997820	0.997364	0.996883	0.996383	3.80
3.81	0.998659	0.998277	0.997857	0.997406	0.996931	0.996435	3.81
3.82	0.998685	0.998308	0.997894	0.997448	0.996977	0.996487	3.82
3.83	0.998712	0.998339	0.997930	0.997489	0.997023	0.996537	3.83
3.84	0.998737	0.998370	0.997966	0.997530	0.997068	0.996587	3.84
3.85	0.998762	0.998400	0.998001	0.997570	0.997113	0.996636	3.85
3.86	0.998787	0.998430	0.998035	0.997609	0.997157	0.996685	3.86
3.87	0.998811	0.998459	0.998069	0.997648	0.997200	0.996733	3.87
3.88	0.998835	0.998487	0.998102	0.997686	0.997243	0.996780	3.88
3.89	0.998858	0.998515	0.998135	0.997723	0.997285	0.996826	3.89
3.90	0.998881	0.998543	0.998167	0.997760	0.997326	0.996872	3.90
3.91	0.998903	0.998570	0.998199	0.997796	0.997367	0.996917	3.91
3.92	0.998925	0.998596	0.998230	0.997832	0.997407	0.996962	3.92
3.93	0.998947	0.998622	0.998261	0.997867	0.997447	0.997006	3.93
3.94	0.998968	0.998648	0.998291	0.997902	0.997486	0.997049	3.94
3.95	0.998988	0.998673	0.998320	0.997936	0.997524	0.997092	3.95
3.96	0.999009	0.998697	0.998349	0.997969	0.997562	0.997134	3.96
3.97	0.999029	0.998722	0.998378	0.998002	0.997600	0.997175	3.97
3.98	0.999048	0.998745	0.998406	0.998035	0.997636	0.997216	3.98
3.99	0.999067	0.998769	0.998434	0.998067	0.997673	0.997256	3.99
4.00	0.999086	0.998792	0.998461	0.998098	0.997708	0.997296	4.00

SKEWNESS

t	0.0	0.1	0.2	0.3	0.4	0.5	t
4.00	0.999968	0.999921	0.999839	0.999717	0.999551	0.999340	4.00
4.01	0.999970	0.999923	0.999844	0.999724	0.999562	0.999355	4.01
4.02	0.999971	0.999926	0.999849	0.999732	0.999572	0.999369	4.02
4.03	0.999972	0.999929	0.999853	0.999739	0.999583	0.999383	4.03
4.04	0.999973	0.999931	0.999858	0.999746	0.999593	0.999396	4.04
4.05	0.999974	0.999934	0.999862	0.999753	0.999603	0.999409	4.05
4.06	0.999975	0.999936	0.999866	0.999760	0.999612	0.999423	4.06
4.07	0.999976	0.999938	0.999870	0.999766	0.999622	0.999435	4.07
4.08	0.999977	0.999940	0.999874	0.999772	0.999631	0.999448	4.08
4.09	0.999978	0.999943	0.999878	0.999779	0.999640	0.999460	4.09
4.10	0.999979	0.999945	0.999882	0.999785	0.999649	0.999472	4.10
4.11	0.999980	0.999947	0.999886	0.999790	0.999657	0.999484	4.11
4.12	0.999981	0.999948	0.999889	0.999796	0.999665	0.999495	4.12
4.13	0.999982	0.999950	0.999892	0.999802	0.999674	0.999506	4.13
4.14	0.999983	0.999952	0.999896	0.999807	0.999682	0.999517	4.14
4.15	0.999983	0.999954	0.999899	0.999812	0.999689	0.999528	4.15
4.16	0.999984	0.999955	0.999902	0.999818	0.999697	0.999538	4.16
4.17	0.999985	0.999957	0.999905	0.999823	0.999704	0.999549	4.17
4.18	0.999985	0.999959	0.999908	0.999827	0.999712	0.999559	4.18
4.19	0.999986	0.999960	0.999911	0.999832	0.999719	0.999569	4.19
4.20	0.999987	0.999962	0.999914	0.999837	0.999726	0.999578	4.20
4.21	0.999987	0.999963	0.999916	0.999841	0.999732	0.999588	4.21
4.22	0.999988	0.999964	0.999919	0.999846	0.999739	0.999597	4.22
4.23	0.999988	0.999966	0.999922	0.999850	0.999746	0.999606	4.23
4.24	0.999989	0.999967	0.999924	0.999854	0.999752	0.999615	4.24
4.25	0.999989	0.999968	0.999926	0.999858	0.999758	0.999623	4.25
4.26	0.999990	0.999969	0.999929	0.999862	0.999764	0.999632	4.26
4.27	0.999990	0.999970	0.999931	0.999866	0.999770	0.999640	4.27
4.28	0.999991	0.999971	0.999933	0.999870	0.999776	0.999648	4.28
4.29	0.999991	0.999972	0.999935	0.999873	0.999781	0.999656	4.29
4.30	0.999991	0.999973	0.999937	0.999877	0.999787	0.999664	4.30
4.31	0.999992	0.999974	0.999939	0.999880	0.999792	0.999671	4.31
4.32	0.999992	0.999975	0.999941	0.999883	0.999797	0.999679	4.32
4.33	0.999993	0.999976	0.999943	0.999887	0.999802	0.999686	4.33
4.34	0.999993	0.999977	0.999945	0.999890	0.999807	0.999693	4.34
4.35	0.999993	0.999978	0.999947	0.999893	0.999812	0.999700	4.35
4.36	0.999993	0.999979	0.999948	0.999896	0.999817	0.999707	4.36
4.37	0.999994	0.999980	0.999950	0.999899	0.999821	0.999713	4.37
4.38	0.999994	0.999980	0.999952	0.999902	0.999826	0.999720	4.38
4.39	0.999994	0.999981	0.999953	0.999904	0.999830	0.999726	4.39
4.40	0.999995	0.999982	0.999955	0.999907	0.999834	0.999733	4.40
4.41	0.999995	0.999983	0.999956	0.999910	0.999838	0.999739	4.41
4.42	0.999995	0.999983	0.999958	0.999912	0.999842	0.999745	4.42
4.43	0.999995	0.999984	0.999959	0.999915	0.999846	0.999750	4.43
4.44	0.999996	0.999984	0.999960	0.999917	0.999850	0.999756	4.44
4.45	0.999996	0.999985	0.999962	0.999920	0.999854	0.999762	4.45
4.46	0.999996	0.999986	0.999963	0.999922	0.999858	0.999767	4.46
4.47	0.999996	0.999986	0.999964	0.999924	0.999861	0.999772	4.47
4.48	0.999996	0.999987	0.999965	0.999926	0.999865	0.999778	4.48
4.49	0.999996	0.999987	0.999966	0.999928	0.999868	0.999783	4.49
4.50	0.999997	0.999988	0.999967	0.999930	0.999872	0.999788	4.50

SKEWNESS

t	0.6	0.7	0.8	0.9	1	1.1	t
4.00	0.999086	0.998792	0.998461	0.998098	0.997708	0.997296	4.00
4.01	0.999105	0.998814	0.998488	0.998129	0.997743	0.997335	4.01
4.02	0.999123	0.998836	0.998514	0.998160	0.997778	0.997374	4.02
4.03	0.999140	0.998858	0.998540	0.998190	0.997812	0.997412	4.03
4.04	0.999158	0.998879	0.998565	0.998219	0.997846	0.997450	4.04
4.05	0.999175	0.998900	0.998590	0.998248	0.997879	0.997487	4.05
4.06	0.999191	0.998921	0.998615	0.998277	0.997911	0.997523	4.06
4.07	0.999208	0.998941	0.998639	0.998305	0.997943	0.997559	4.07
4.08	0.999224	0.998961	0.998663	0.998333	0.997975	0.997594	4.08
4.09	0.999239	0.998980	0.998686	0.998360	0.998006	0.997629	4.09
4.10	0.999255	0.999000	0.998709	0.998387	0.998037	0.997664	4.10
4.11	0.999270	0.999018	0.998731	0.998413	0.998067	0.997698	4.11
4.12	0.999285	0.999037	0.998754	0.998439	0.998097	0.997731	4.12
4.13	0.999299	0.999055	0.998775	0.998465	0.998126	0.997764	4.13
4.14	0.999314	0.999073	0.998797	0.998490	0.998155	0.997797	4.14
4.15	0.999328	0.999090	0.998818	0.998514	0.998183	0.997829	4.15
4.16	0.999341	0.999107	0.998839	0.998539	0.998211	0.997861	4.16
4.17	0.999355	0.999124	0.998859	0.998563	0.998239	0.997892	4.17
4.18	0.999368	0.999141	0.998879	0.998586	0.998266	0.997923	4.18
4.19	0.999381	0.999157	0.998899	0.998610	0.998293	0.997953	4.19
4.20	0.999394	0.999173	0.998918	0.998632	0.998319	0.997983	4.20
4.21	0.999406	0.999188	0.998937	0.998655	0.998345	0.998012	4.21
4.22	0.999418	0.999204	0.998956	0.998677	0.998371	0.998041	4.22
4.23	0.999430	0.999219	0.998974	0.998699	0.998396	0.998070	4.23
4.24	0.999442	0.999234	0.998992	0.998720	0.998421	0.998098	4.24
4.25	0.999453	0.999248	0.999010	0.998741	0.998445	0.998126	4.25
4.26	0.999464	0.999262	0.999027	0.998762	0.998470	0.998153	4.26
4.27	0.999475	0.999276	0.999045	0.998782	0.998493	0.998180	4.27
4.28	0.999486	0.999290	0.999061	0.998803	0.998517	0.998207	4.28
4.29	0.999497	0.999304	0.999078	0.998822	0.998540	0.998233	4.29
4.30	0.999507	0.999317	0.999094	0.998842	0.998562	0.998259	4.30
4.31	0.999517	0.999330	0.999110	0.998861	0.998585	0.998285	4.31
4.32	0.999527	0.999343	0.999126	0.998880	0.998607	0.998310	4.32
4.33	0.999537	0.999355	0.999141	0.998898	0.998628	0.998335	4.33
4.34	0.999547	0.999367	0.999157	0.998916	0.998650	0.998359	4.34
4.35	0.999556	0.999379	0.999172	0.998934	0.998670	0.998383	4.35
4.36	0.999565	0.999391	0.999186	0.998952	0.998691	0.998407	4.36
4.37	0.999574	0.999403	0.999201	0.998969	0.998712	0.998430	4.37
4.38	0.999583	0.999414	0.999215	0.998986	0.998732	0.998453	4.38
4.39	0.999592	0.999425	0.999229	0.999003	0.998751	0.998476	4.39
4.40	0.999600	0.999436	0.999242	0.999020	0.998771	0.998498	4.40
4.41	0.999608	0.999447	0.999256	0.999036	0.998790	0.998520	4.41
4.42	0.999616	0.999458	0.999269	0.999052	0.998809	0.998542	4.42
4.43	0.999624	0.999468	0.999282	0.999068	0.998827	0.998564	4.43
4.44	0.999632	0.999478	0.999295	0.999083	0.998846	0.998585	4.44
4.45	0.999640	0.999488	0.999307	0.999098	0.998864	0.998606	4.45
4.46	0.999647	0.999498	0.999320	0.999113	0.998881	0.998626	4.46
4.47	0.999655	0.999508	0.999332	0.999128	0.998899	0.998646	4.47
4.48	0.999662	0.999517	0.999344	0.999143	0.998916	0.998666	4.48
4.49	0.999669	0.999527	0.999355	0.999157	0.998933	0.998686	4.49
4.50	0.999676	0.999536	0.999367	0.999171	0.998950	0.998705	4.50

SKEWNESS

t	0.0	0.1	0.2	0.3	0.4	0.5	t
4.50	0.999997	0.999988	0.999967	0.999930	0.999872	0.999788	4.50
4.51	0.999997	0.999988	0.999968	0.999932	0.999875	0.999792	4.51
4.52	0.999997	0.999989	0.999969	0.999934	0.999878	0.999797	4.52
4.53	0.999997	0.999989	0.999970	0.999936	0.999881	0.999802	4.53
4.54	0.999997	0.999989	0.999971	0.999938	0.999884	0.999806	4.54
4.55	0.999997	0.999990	0.999972	0.999940	0.999887	0.999811	4.55
4.56	0.999997	0.999990	0.999973	0.999941	0.999890	0.999815	4.56
4.57	0.999998	0.999991	0.999974	0.999943	0.999893	0.999819	4.57
4.58	0.999998	0.999991	0.999975	0.999945	0.999896	0.999824	4.58
4.59	0.999998	0.999991	0.999976	0.999946	0.999898	0.999828	4.59
4.60	0.999998	0.999992	0.999977	0.999948	0.999901	0.999832	4.60
4.61	0.999998	0.999992	0.999977	0.999949	0.999903	0.999836	4.61
4.62	0.999998	0.999992	0.999978	0.999951	0.999906	0.999839	4.62
4.63	0.999998	0.999993	0.999979	0.999952	0.999908	0.999843	4.63
4.64	0.999998	0.999993	0.999980	0.999954	0.999911	0.999847	4.64
4.65	0.999998	0.999993	0.999980	0.999955	0.999913	0.999850	4.65
4.66	0.999998	0.999993	0.999981	0.999956	0.999915	0.999854	4.66
4.67	0.999998	0.999994	0.999982	0.999958	0.999917	0.999857	4.67
4.68	0.999999	0.999994	0.999982	0.999959	0.999919	0.999860	4.68
4.69	0.999999	0.999994	0.999983	0.999960	0.999922	0.999864	4.69
4.70	0.999999	0.999994	0.999983	0.999961	0.999924	0.999867	4.70
4.71	0.999999	0.999995	0.999984	0.999962	0.999926	0.999870	4.71
4.72	0.999999	0.999995	0.999984	0.999963	0.999927	0.999873	4.72
4.73	0.999999	0.999995	0.999985	0.999964	0.999929	0.999876	4.73
4.74	0.999999	0.999995	0.999985	0.999965	0.999931	0.999879	4.74
4.75	0.999999	0.999995	0.999986	0.999966	0.999933	0.999882	4.75
4.76	0.999999	0.999996	0.999986	0.999967	0.999935	0.999884	4.76
4.77	0.999999	0.999996	0.999987	0.999968	0.999936	0.999887	4.77
4.78	0.999999	0.999996	0.999987	0.999969	0.999938	0.999890	4.78
4.79	0.999999	0.999996	0.999988	0.999970	0.999940	0.999892	4.79
4.80	0.999999	0.999996	0.999988	0.999971	0.999941	0.999895	4.80
4.81	0.999999	0.999996	0.999989	0.999972	0.999943	0.999897	4.81
4.82	0.999999	0.999997	0.999989	0.999973	0.999944	0.999900	4.82
4.83	0.999999	0.999997	0.999989	0.999974	0.999946	0.999902	4.83
4.84	0.999999	0.999997	0.999990	0.999974	0.999947	0.999904	4.84
4.85	0.999999	0.999997	0.999990	0.999975	0.999948	0.999907	4.85
4.86	0.999999	0.999997	0.999990	0.999976	0.999950	0.999909	4.86
4.87	0.999999	0.999997	0.999991	0.999977	0.999951	0.999911	4.87
4.88	0.999999	0.999997	0.999991	0.999977	0.999952	0.999913	4.88
4.89	0.999999	0.999997	0.999991	0.999978	0.999954	0.999915	4.89
4.90	1.000000	0.999998	0.999992	0.999979	0.999955	0.999917	4.90
4.91	1.000000	0.999998	0.999992	0.999979	0.999956	0.999919	4.91
4.92	1.000000	0.999998	0.999992	0.999980	0.999957	0.999921	4.92
4.93	1.000000	0.999998	0.999992	0.999980	0.999958	0.999923	4.93
4.94	1.000000	0.999998	0.999993	0.999981	0.999959	0.999925	4.94
4.95	1.000000	0.999998	0.999993	0.999982	0.999961	0.999926	4.95
4.96	1.000000	0.999998	0.999993	0.999982	0.999962	0.999928	4.96
4.97	1.000000	0.999998	0.999993	0.999983	0.999963	0.999930	4.97
4.98	1.000000	0.999998	0.999994	0.999983	0.999964	0.999932	4.98
4.99	1.000000	0.999998	0.999994	0.999984	0.999965	0.999933	4.99
5.00	1.000000	0.999998	0.999994	0.999984	0.999965	0.999935	5.00

SKEWNESS

t	0.6	0.7	0.8	0.9	1	1.1	t
4.50	0.999676	0.999536	0.999367	0.999171	0.998950	0.998705	4.50
4.51	0.999683	0.999545	0.999378	0.999185	0.998966	0.998724	4.51
4.52	0.999689	0.999553	0.999389	0.999198	0.998982	0.998743	4.52
4.53	0.999696	0.999562	0.999400	0.999212	0.998998	0.998762	4.53
4.54	0.999702	0.999570	0.999411	0.999225	0.999014	0.998780	4.54
4.55	0.999708	0.999579	0.999422	0.999238	0.999029	0.998798	4.55
4.56	0.999715	0.999587	0.999432	0.999251	0.999045	0.998816	4.56
4.57	0.999721	0.999595	0.999442	0.999263	0.999060	0.998833	4.57
4.58	0.999726	0.999603	0.999452	0.999275	0.999074	0.998850	4.58
4.59	0.999732	0.999610	0.999462	0.999288	0.999089	0.998867	4.59
4.60	0.999738	0.999618	0.999472	0.999300	0.999103	0.998884	4.60
4.61	0.999743	0.999625	0.999481	0.999311	0.999117	0.998901	4.61
4.62	0.999749	0.999632	0.999490	0.999323	0.999131	0.998917	4.62
4.63	0.999754	0.999640	0.999499	0.999334	0.999145	0.998933	4.63
4.64	0.999759	0.999647	0.999508	0.999345	0.999158	0.998949	4.64
4.65	0.999764	0.999653	0.999517	0.999356	0.999171	0.998964	4.65
4.66	0.999769	0.999660	0.999526	0.999367	0.999184	0.998980	4.66
4.67	0.999774	0.999667	0.999535	0.999378	0.999197	0.998995	4.67
4.68	0.999779	0.999673	0.999543	0.999388	0.999210	0.999010	4.68
4.69	0.999784	0.999680	0.999551	0.999398	0.999222	0.999024	4.69
4.70	0.999788	0.999686	0.999559	0.999408	0.999235	0.999039	4.70
4.71	0.999793	0.999692	0.999567	0.999418	0.999247	0.999053	4.71
4.72	0.999797	0.999698	0.999575	0.999428	0.999258	0.999067	4.72
4.73	0.999801	0.999704	0.999583	0.999438	0.999270	0.999081	4.73
4.74	0.999806	0.999710	0.999590	0.999447	0.999282	0.999095	4.74
4.75	0.999810	0.999715	0.999598	0.999457	0.999293	0.999108	4.75
4.76	0.999814	0.999721	0.999605	0.999466	0.999304	0.999121	4.76
4.77	0.999818	0.999726	0.999612	0.999475	0.999315	0.999134	4.77
4.78	0.999822	0.999732	0.999619	0.999484	0.999326	0.999147	4.78
4.79	0.999825	0.999737	0.999626	0.999492	0.999337	0.999160	4.79
4.80	0.999829	0.999742	0.999633	0.999501	0.999347	0.999173	4.80
4.81	0.999833	0.999747	0.999639	0.999509	0.999357	0.999185	4.81
4.82	0.999836	0.999752	0.999646	0.999518	0.999368	0.999197	4.82
4.83	0.999840	0.999757	0.999652	0.999526	0.999378	0.999209	4.83
4.84	0.999843	0.999762	0.999659	0.999534	0.999387	0.999221	4.84
4.85	0.999847	0.999766	0.999665	0.999542	0.999397	0.999232	4.85
4.86	0.999850	0.999771	0.999671	0.999549	0.999407	0.999244	4.86
4.87	0.999853	0.999775	0.999677	0.999557	0.999416	0.999255	4.87
4.88	0.999856	0.999780	0.999683	0.999564	0.999425	0.999266	4.88
4.89	0.999859	0.999784	0.999688	0.999572	0.999434	0.999277	4.89
4.90	0.999862	0.999788	0.999694	0.999579	0.999443	0.999288	4.90
4.91	0.999865	0.999793	0.999700	0.999586	0.999452	0.999298	4.91
4.92	0.999868	0.999797	0.999705	0.999593	0.999461	0.999309	4.92
4.93	0.999871	0.999801	0.999711	0.999600	0.999469	0.999319	4.93
4.94	0.999874	0.999805	0.999716	0.999607	0.999478	0.999329	4.94
4.95	0.999876	0.999808	0.999721	0.999614	0.999486	0.999339	4.95
4.96	0.999879	0.999812	0.999726	0.999620	0.999494	0.999349	4.96
4.97	0.999882	0.999816	0.999731	0.999627	0.999502	0.999359	4.97
4.98	0.999884	0.999820	0.999736	0.999633	0.999510	0.999369	4.98
4.99	0.999887	0.999823	0.999741	0.999639	0.999518	0.999378	4.99
5.00	0.999889	0.999827	0.999746	0.999645	0.999526	0.999387	5.00

SKEWNESS

t	0.0	0.1	0.2	0.3	0.4	0.5	t
5.00	1.000000	0.999998	0.999994	0.999984	0.999965	0.999935	5.00
5.01	1.000000	0.999998	0.999994	0.999985	0.999966	0.999936	5.01
5.02	1.000000	0.999998	0.999994	0.999985	0.999967	0.999938	5.02
5.03	1.000000	0.999999	0.999995	0.999986	0.999968	0.999939	5.03
5.04	1.000000	0.999999	0.999995	0.999986	0.999969	0.999941	5.04
5.05	1.000000	0.999999	0.999995	0.999986	0.999970	0.999942	5.05
5.06	1.000000	0.999999	0.999995	0.999987	0.999971	0.999943	5.06
5.07	1.000000	0.999999	0.999995	0.999987	0.999971	0.999945	5.07
5.08	1.000000	0.999999	0.999996	0.999988	0.999972	0.999946	5.08
5.09	1.000000	0.999999	0.999996	0.999988	0.999973	0.999947	5.09
5.10	1.000000	0.999999	0.999996	0.999988	0.999974	0.999949	5.10
5.11	1.000000	0.999999	0.999996	0.999989	0.999974	0.999950	5.11
5.12	1.000000	0.999999	0.999996	0.999989	0.999975	0.999951	5.12
5.13	1.000000	0.999999	0.999996	0.999989	0.999976	0.999952	5.13
5.14	1.000000	0.999999	0.999996	0.999990	0.999976	0.999953	5.14
5.15	1.000000	0.999999	0.999997	0.999990	0.999977	0.999955	5.15
5.16	1.000000	0.999999	0.999997	0.999990	0.999978	0.999956	5.16
5.17	1.000000	0.999999	0.999997	0.999991	0.999978	0.999957	5.17
5.18	1.000000	0.999999	0.999997	0.999991	0.999979	0.999958	5.18
5.19	1.000000	0.999999	0.999997	0.999991	0.999979	0.999959	5.19
5.20	1.000000	0.999999	0.999997	0.999991	0.999980	0.999960	5.20
5.21	1.000000	0.999999	0.999997	0.999992	0.999980	0.999961	5.21
5.22	1.000000	0.999999	0.999997	0.999992	0.999981	0.999962	5.22
5.23	1.000000	0.999999	0.999997	0.999992	0.999981	0.999963	5.23
5.24	1.000000	0.999999	0.999997	0.999992	0.999982	0.999963	5.24
5.25	1.000000	0.999999	0.999998	0.999993	0.999982	0.999964	5.25
5.26	1.000000	0.999999	0.999998	0.999993	0.999983	0.999965	5.26
5.27	1.000000	0.999999	0.999998	0.999993	0.999983	0.999966	5.27
5.28	1.000000	1.000000	0.999998	0.999993	0.999984	0.999967	5.28
5.29	1.000000	1.000000	0.999998	0.999994	0.999984	0.999968	5.29
5.30	1.000000	1.000000	0.999998	0.999994	0.999985	0.999968	5.30
5.31	1.000000	1.000000	0.999998	0.999994	0.999985	0.999969	5.31
5.32	1.000000	1.000000	0.999998	0.999994	0.999986	0.999970	5.32
5.33	1.000000	1.000000	0.999998	0.999994	0.999986	0.999971	5.33
5.34	1.000000	1.000000	0.999998	0.999994	0.999986	0.999971	5.34
5.35	1.000000	1.000000	0.999998	0.999995	0.999987	0.999972	5.35
5.36	1.000000	1.000000	0.999998	0.999995	0.999987	0.999973	5.36
5.37	1.000000	1.000000	0.999998	0.999995	0.999987	0.999973	5.37
5.38	1.000000	1.000000	0.999998	0.999995	0.999988	0.999974	5.38
5.39	1.000000	1.000000	0.999999	0.999995	0.999988	0.999975	5.39
5.40	1.000000	1.000000	0.999999	0.999995	0.999988	0.999975	5.40
5.41	1.000000	1.000000	0.999999	0.999996	0.999989	0.999976	5.41
5.42	1.000000	1.000000	0.999999	0.999996	0.999989	0.999977	5.42
5.43	1.000000	1.000000	0.999999	0.999996	0.999989	0.999977	5.43
5.44	1.000000	1.000000	0.999999	0.999996	0.999990	0.999978	5.44
5.45	1.000000	1.000000	0.999999	0.999996	0.999990	0.999978	5.45
5.46	1.000000	1.000000	0.999999	0.999996	0.999990	0.999979	5.46
5.47	1.000000	1.000000	0.999999	0.999996	0.999990	0.999979	5.47
5.48	1.000000	1.000000	0.999999	0.999996	0.999991	0.999980	5.48
5.49	1.000000	1.000000	0.999999	0.999997	0.999991	0.999980	5.49
5.50	1.000000	1.000000	0.999999	0.999997	0.999991	0.999981	5.50

SKEWNESS

t	0.6	0.7	0.8	0.9	1	1.1	t
5.00	0.999889	0.999827	0.999746	0.999645	0.999526	0.999387	5.00
5.01	0.999892	0.999830	0.999750	0.999651	0.999533	0.999397	5.01
5.02	0.999894	0.999833	0.999755	0.999657	0.999541	0.999406	5.02
5.03	0.999896	0.999837	0.999759	0.999663	0.999548	0.999414	5.03
5.04	0.999898	0.999840	0.999764	0.999669	0.999555	0.999423	5.04
5.05	0.999901	0.999843	0.999768	0.999674	0.999562	0.999432	5.05
5.06	0.999903	0.999846	0.999772	0.999680	0.999569	0.999440	5.06
5.07	0.999905	0.999849	0.999776	0.999685	0.999576	0.999449	5.07
5.08	0.999907	0.999852	0.999780	0.999691	0.999583	0.999457	5.08
5.09	0.999909	0.999855	0.999785	0.999696	0.999590	0.999465	5.09
5.10	0.999911	0.999858	0.999788	0.999701	0.999596	0.999473	5.10
5.11	0.999913	0.999861	0.999792	0.999706	0.999603	0.999481	5.11
5.12	0.999915	0.999864	0.999796	0.999711	0.999609	0.999489	5.12
5.13	0.999917	0.999866	0.999800	0.999716	0.999615	0.999497	5.13
5.14	0.999918	0.999869	0.999804	0.999721	0.999621	0.999504	5.14
5.15	0.999920	0.999872	0.999807	0.999726	0.999627	0.999512	5.15
5.16	0.999922	0.999874	0.999811	0.999731	0.999633	0.999519	5.16
5.17	0.999924	0.999877	0.999814	0.999735	0.999639	0.999526	5.17
5.18	0.999925	0.999879	0.999818	0.999740	0.999645	0.999533	5.18
5.19	0.999927	0.999882	0.999821	0.999744	0.999651	0.999540	5.19
5.20	0.999928	0.999884	0.999824	0.999749	0.999656	0.999547	5.20
5.21	0.999930	0.999886	0.999828	0.999753	0.999662	0.999554	5.21
5.22	0.999932	0.999888	0.999831	0.999757	0.999667	0.999561	5.22
5.23	0.999933	0.999891	0.999834	0.999761	0.999672	0.999567	5.23
5.24	0.999935	0.999893	0.999837	0.999765	0.999678	0.999574	5.24
5.25	0.999936	0.999895	0.999840	0.999769	0.999683	0.999580	5.25
5.26	0.999937	0.999897	0.999843	0.999773	0.999688	0.999587	5.26
5.27	0.999939	0.999899	0.999846	0.999777	0.999693	0.999593	5.27
5.28	0.999940	0.999901	0.999849	0.999781	0.999698	0.999599	5.28
5.29	0.999941	0.999903	0.999851	0.999785	0.999703	0.999605	5.29
5.30	0.999943	0.999905	0.999854	0.999789	0.999708	0.999611	5.30
5.31	0.999944	0.999907	0.999857	0.999792	0.999712	0.999617	5.31
5.32	0.999945	0.999909	0.999860	0.999796	0.999717	0.999623	5.32
5.33	0.999946	0.999911	0.999862	0.999799	0.999721	0.999628	5.33
5.34	0.999948	0.999913	0.999865	0.999803	0.999726	0.999634	5.34
5.35	0.999949	0.999914	0.999867	0.999806	0.999730	0.999639	5.35
5.36	0.999950	0.999916	0.999870	0.999809	0.999735	0.999645	5.36
5.37	0.999951	0.999918	0.999872	0.999813	0.999739	0.999650	5.37
5.38	0.999952	0.999919	0.999874	0.999816	0.999743	0.999656	5.38
5.39	0.999953	0.999921	0.999877	0.999819	0.999747	0.999661	5.39
5.40	0.999954	0.999923	0.999879	0.999822	0.999751	0.999666	5.40
5.41	0.999955	0.999924	0.999881	0.999825	0.999755	0.999671	5.41
5.42	0.999956	0.999926	0.999884	0.999828	0.999759	0.999676	5.42
5.43	0.999957	0.999927	0.999886	0.999831	0.999763	0.999681	5.43
5.44	0.999958	0.999929	0.999888	0.999834	0.999767	0.999686	5.44
5.45	0.999959	0.999930	0.999890	0.999837	0.999771	0.999690	5.45
5.46	0.999960	0.999931	0.999892	0.999840	0.999774	0.999695	5.46
5.47	0.999961	0.999933	0.999894	0.999843	0.999778	0.999700	5.47
5.48	0.999962	0.999934	0.999896	0.999845	0.999782	0.999704	5.48
5.49	0.999962	0.999936	0.999898	0.999848	0.999785	0.999709	5.49
5.50	0.999963	0.999937	0.999900	0.999851	0.999789	0.999713	5.50

SKEWNESS

t	0.6	0.7	0.8	0.9	1	1.1	t
5.50	0.999963	0.999937	0.999900	0.999851	0.999789	0.999713	5.50
5.51	0.999964	0.999938	0.999902	0.999853	0.999792	0.999717	5.51
5.52	0.999965	0.999939	0.999903	0.999856	0.999795	0.999722	5.52
5.53	0.999966	0.999941	0.999905	0.999858	0.999799	0.999726	5.53
5.54	0.999966	0.999942	0.999907	0.999861	0.999802	0.999730	5.54
5.55	0.999967	0.999943	0.999909	0.999863	0.999805	0.999734	5.55
5.56	0.999968	0.999944	0.999910	0.999866	0.999808	0.999738	5.56
5.57	0.999969	0.999945	0.999912	0.999868	0.999811	0.999742	5.57
5.58	0.999969	0.999946	0.999914	0.999870	0.999814	0.999746	5.58
5.59	0.999970	0.999947	0.999915	0.999872	0.999817	0.999750	5.59
5.60	0.999971	0.999949	0.999917	0.999875	0.999820	0.999754	5.60
5.61	0.999971	0.999950	0.999919	0.999877	0.999823	0.999758	5.61
5.62	0.999972	0.999951	0.999920	0.999879	0.999826	0.999761	5.62
5.63	0.999973	0.999952	0.999922	0.999881	0.999829	0.999765	5.63
5.64	0.999973	0.999953	0.999923	0.999883	0.999832	0.999768	5.64
5.65	0.999974	0.999954	0.999924	0.999885	0.999835	0.999772	5.65
5.66	0.999974	0.999955	0.999926	0.999887	0.999837	0.999775	5.66
5.67	0.999975	0.999955	0.999927	0.999889	0.999840	0.999779	5.67
5.68	0.999976	0.999956	0.999929	0.999891	0.999842	0.999782	5.68
5.69	0.999976	0.999957	0.999930	0.999893	0.999845	0.999786	5.69
5.70	0.999977	0.999958	0.999931	0.999895	0.999848	0.999789	5.70
5.71	0.999977	0.999959	0.999933	0.999897	0.999850	0.999792	5.71
5.72	0.999978	0.999960	0.999934	0.999898	0.999852	0.999795	5.72
5.73	0.999978	0.999961	0.999935	0.999900	0.999855	0.999798	5.73
5.74	0.999979	0.999961	0.999936	0.999902	0.999857	0.999801	5.74
5.75	0.999979	0.999962	0.999938	0.999904	0.999859	0.999804	5.75
5.76	0.999980	0.999963	0.999939	0.999905	0.999862	0.999807	5.76
5.77	0.999980	0.999964	0.999940	0.999907	0.999864	0.999810	5.77
5.78	0.999980	0.999965	0.999941	0.999909	0.999866	0.999813	5.78
5.79	0.999981	0.999965	0.999942	0.999910	0.999868	0.999816	5.79
5.80	0.999981	0.999966	0.999943	0.999912	0.999871	0.999819	5.80
5.81	0.999982	0.999967	0.999944	0.999913	0.999873	0.999822	5.81
5.82	0.999982	0.999967	0.999945	0.999915	0.999875	0.999824	5.82
5.83	0.999983	0.999968	0.999946	0.999916	0.999877	0.999827	5.83
5.84	0.999983	0.999969	0.999947	0.999918	0.999879	0.999830	5.84
5.85	0.999983	0.999969	0.999948	0.999919	0.999881	0.999832	5.85
5.86	0.999984	0.999970	0.999949	0.999921	0.999883	0.999835	5.86
5.87	0.999984	0.999971	0.999950	0.999922	0.999885	0.999837	5.87
5.88	0.999984	0.999971	0.999951	0.999923	0.999887	0.999840	5.88
5.89	0.999985	0.999972	0.999952	0.999925	0.999888	0.999842	5.89
5.90	0.999985	0.999972	0.999953	0.999926	0.999890	0.999845	5.90
5.91	0.999985	0.999973	0.999954	0.999927	0.999892	0.999847	5.91
5.92	0.999986	0.999973	0.999955	0.999929	0.999894	0.999849	5.92
5.93	0.999986	0.999974	0.999956	0.999930	0.999895	0.999852	5.93
5.94	0.999986	0.999975	0.999957	0.999931	0.999897	0.999854	5.94
5.95	0.999987	0.999975	0.999957	0.999932	0.999899	0.999856	5.95
5.96	0.999987	0.999976	0.999958	0.999933	0.999901	0.999858	5.96
5.97	0.999987	0.999976	0.999959	0.999935	0.999902	0.999861	5.97
5.98	0.999988	0.999977	0.999960	0.999936	0.999904	0.999863	5.98
5.99	0.999988	0.999977	0.999960	0.999937	0.999905	0.999865	5.99
6.00	0.999988	0.999978	0.999961	0.999938	0.999907	0.999867	6.00

SKEWNESS

t	0.6	0.7	0.8	0.9	1	1.1	t
6.00	0.999988	0.999978	0.999961	0.999938	0.999907	0.999867	6.00
6.01	0.999988	0.999978	0.999962	0.999939	0.999908	0.999869	6.01
6.02	0.999989	0.999978	0.999963	0.999940	0.999910	0.999871	6.02
6.03	0.999989	0.999979	0.999963	0.999941	0.999911	0.999873	6.03
6.04	0.999989	0.999979	0.999964	0.999942	0.999913	0.999875	6.04
6.05	0.999989	0.999980	0.999965	0.999943	0.999914	0.999877	6.05
6.06	0.999990	0.999980	0.999965	0.999944	0.999916	0.999879	6.06
6.07	0.999990	0.999981	0.999966	0.999945	0.999917	0.999881	6.07
6.08	0.999990	0.999981	0.999967	0.999946	0.999918	0.999882	6.08
6.09	0.999990	0.999981	0.999967	0.999947	0.999920	0.999884	6.09
6.10	0.999991	0.999982	0.999968	0.999948	0.999921	0.999886	6.10
6.11	0.999991	0.999982	0.999969	0.999949	0.999922	0.999888	6.11
6.12	0.999991	0.999983	0.999969	0.999950	0.999924	0.999889	6.12
6.13	0.999991	0.999983	0.999970	0.999951	0.999925	0.999891	6.13
6.14	0.999991	0.999983	0.999970	0.999952	0.999926	0.999893	6.14
6.15	0.999992	0.999984	0.999971	0.999953	0.999927	0.999894	6.15
6.16	0.999992	0.999984	0.999971	0.999953	0.999929	0.999896	6.16
6.17	0.999992	0.999984	0.999972	0.999954	0.999930	0.999898	6.17
6.18	0.999992	0.999985	0.999973	0.999955	0.999931	0.999899	6.18
6.19	0.999992	0.999985	0.999973	0.999956	0.999932	0.999901	6.19
6.20	0.999993	0.999985	0.999974	0.999957	0.999933	0.999902	6.20
6.21	0.999993	0.999986	0.999974	0.999957	0.999934	0.999904	6.21
6.22	0.999993	0.999986	0.999975	0.999958	0.999935	0.999905	6.22
6.23	0.999993	0.999986	0.999975	0.999959	0.999936	0.999907	6.23
6.24	0.999993	0.999986	0.999976	0.999960	0.999937	0.999908	6.24
6.25	0.999993	0.999987	0.999976	0.999960	0.999938	0.999910	6.25
6.26	0.999994	0.999987	0.999976	0.999961	0.999939	0.999911	6.26
6.27	0.999994	0.999987	0.999977	0.999962	0.999940	0.999912	6.27
6.28	0.999994	0.999988	0.999977	0.999962	0.999941	0.999914	6.28
6.29	0.999994	0.999988	0.999978	0.999963	0.999942	0.999915	6.29
6.30	0.999994	0.999988	0.999978	0.999964	0.999943	0.999916	6.30
6.31	0.999994	0.999988	0.999979	0.999964	0.999944	0.999918	6.31
6.32	0.999994	0.999989	0.999979	0.999965	0.999945	0.999919	6.32
6.33	0.999994	0.999989	0.999979	0.999966	0.999946	0.999920	6.33
6.34	0.999995	0.999989	0.999980	0.999966	0.999947	0.999921	6.34
6.35	0.999995	0.999989	0.999980	0.999967	0.999948	0.999923	6.35
6.36	0.999995	0.999989	0.999981	0.999967	0.999949	0.999924	6.36
6.37	0.999995	0.999990	0.999981	0.999968	0.999950	0.999925	6.37
6.38	0.999995	0.999990	0.999981	0.999969	0.999950	0.999926	6.38
6.39	0.999995	0.999990	0.999982	0.999969	0.999951	0.999927	6.39
6.40	0.999995	0.999990	0.999982	0.999970	0.999952	0.999928	6.40
6.41	0.999995	0.999991	0.999982	0.999970	0.999953	0.999930	6.41
6.42	0.999996	0.999991	0.999983	0.999971	0.999954	0.999931	6.42
6.43	0.999996	0.999991	0.999983	0.999971	0.999954	0.999932	6.43
6.44	0.999996	0.999991	0.999983	0.999972	0.999955	0.999933	6.44
6.45	0.999996	0.999991	0.999984	0.999972	0.999956	0.999934	6.45
6.46	0.999996	0.999991	0.999984	0.999973	0.999957	0.999935	6.46
6.47	0.999996	0.999992	0.999984	0.999973	0.999957	0.999936	6.47
6.48	0.999996	0.999992	0.999985	0.999974	0.999958	0.999937	6.48
6.49	0.999996	0.999992	0.999985	0.999974	0.999959	0.999938	6.49
6.50	0.999996	0.999992	0.999985	0.999975	0.999959	0.999939	6.50

SKEWNESS

t	0.6	0.7	0.8	0.9	1	1.1	t
6.50	0.999996	0.999992	0.999985	0.999975	0.999959	0.999939	6.50
6.51	0.999996	0.999992	0.999986	0.999975	0.999960	0.999940	6.51
6.52	0.999996	0.999992	0.999986	0.999975	0.999961	0.999941	6.52
6.53	0.999997	0.999993	0.999986	0.999976	0.999961	0.999942	6.53
6.54	0.999997	0.999993	0.999986	0.999976	0.999962	0.999942	6.54
6.55	0.999997	0.999993	0.999987	0.999977	0.999963	0.999943	6.55
6.56	0.999997	0.999993	0.999987	0.999977	0.999963	0.999944	6.56
6.57	0.999997	0.999993	0.999987	0.999978	0.999964	0.999945	6.57
6.58	0.999997	0.999993	0.999987	0.999978	0.999964	0.999946	6.58
6.59	0.999997	0.999994	0.999988	0.999978	0.999965	0.999947	6.59
6.60	0.999997	0.999994	0.999988	0.999979	0.999966	0.999948	6.60
6.61	0.999997	0.999994	0.999988	0.999979	0.999966	0.999948	6.61
6.62	0.999997	0.999994	0.999988	0.999980	0.999967	0.999949	6.62
6.63	0.999997	0.999994	0.999989	0.999980	0.999967	0.999950	6.63
6.64	0.999997	0.999994	0.999989	0.999980	0.999968	0.999951	6.64
6.65	0.999997	0.999994	0.999989	0.999981	0.999968	0.999952	6.65
6.66	0.999997	0.999994	0.999989	0.999981	0.999969	0.999952	6.66
6.67	0.999998	0.999995	0.999989	0.999981	0.999969	0.999953	6.67
6.68	0.999998	0.999995	0.999990	0.999982	0.999970	0.999954	6.68
6.69	0.999998	0.999995	0.999990	0.999982	0.999970	0.999954	6.69
6.70	0.999998	0.999995	0.999990	0.999982	0.999971	0.999955	6.70
6.71	0.999998	0.999995	0.999990	0.999983	0.999971	0.999956	6.71
6.72	0.999998	0.999995	0.999990	0.999983	0.999972	0.999957	6.72
6.73	0.999998	0.999995	0.999991	0.999983	0.999972	0.999957	6.73
6.74	0.999998	0.999995	0.999991	0.999984	0.999973	0.999958	6.74
6.75	0.999998	0.999995	0.999991	0.999984	0.999973	0.999959	6.75
6.76	0.999998	0.999996	0.999991	0.999984	0.999974	0.999959	6.76
6.77	0.999998	0.999996	0.999991	0.999984	0.999974	0.999960	6.77
6.78	0.999998	0.999996	0.999991	0.999985	0.999975	0.999960	6.78
6.79	0.999998	0.999996	0.999992	0.999985	0.999975	0.999961	6.79
6.80	0.999998	0.999996	0.999992	0.999985	0.999975	0.999962	6.80
6.81	0.999998	0.999996	0.999992	0.999985	0.999976	0.999962	6.81
6.82	0.999998	0.999996	0.999992	0.999986	0.999976	0.999963	6.82
6.83	0.999998	0.999996	0.999992	0.999986	0.999977	0.999963	6.83
6.84	0.999998	0.999996	0.999992	0.999986	0.999977	0.999964	6.84
6.85	0.999998	0.999996	0.999993	0.999986	0.999977	0.999965	6.85
6.86	0.999998	0.999996	0.999993	0.999987	0.999978	0.999965	6.86
6.87	0.999998	0.999996	0.999993	0.999987	0.999978	0.999966	6.87
6.88	0.999998	0.999997	0.999993	0.999987	0.999979	0.999966	6.88
6.89	0.999999	0.999997	0.999993	0.999987	0.999979	0.999967	6.89
6.90	0.999999	0.999997	0.999993	0.999988	0.999979	0.999967	6.90
6.91	0.999999	0.999997	0.999993	0.999988	0.999980	0.999968	6.91
6.92	0.999999	0.999997	0.999994	0.999988	0.999980	0.999968	6.92
6.93	0.999999	0.999997	0.999994	0.999988	0.999980	0.999969	6.93
6.94	0.999999	0.999997	0.999994	0.999989	0.999981	0.999969	6.94
6.95	0.999999	0.999997	0.999994	0.999989	0.999981	0.999970	6.95
6.96	0.999999	0.999997	0.999994	0.999989	0.999981	0.999970	6.96
6.97	0.999999	0.999997	0.999994	0.999989	0.999982	0.999971	6.97
6.98	0.999999	0.999997	0.999994	0.999989	0.999982	0.999971	6.98
6.99	0.999999	0.999997	0.999994	0.999990	0.999982	0.999972	6.99
7.00	0.999999	0.999997	0.999994	0.999990	0.999982	0.999972	7.00

SKEWNESS

t	0.6	0.7	0.8	0.9	1	1.1	t
7.00	0.999999	0.999997	0.999994	0.999990	0.999982	0.999972	7.00
7.01	0.999999	0.999997	0.999995	0.999990	0.999983	0.999972	7.01
7.02	0.999999	0.999997	0.999995	0.999990	0.999983	0.999973	7.02
7.03	0.999999	0.999997	0.999995	0.999990	0.999983	0.999973	7.03
7.04	0.999999	0.999998	0.999995	0.999990	0.999984	0.999974	7.04
7.05	0.999999	0.999998	0.999995	0.999991	0.999984	0.999974	7.05
7.06	0.999999	0.999998	0.999995	0.999991	0.999984	0.999975	7.06
7.07	0.999999	0.999998	0.999995	0.999991	0.999984	0.999975	7.07
7.08	0.999999	0.999998	0.999995	0.999991	0.999985	0.999975	7.08
7.09	0.999999	0.999998	0.999995	0.999991	0.999985	0.999976	7.09
7.10	0.999999	0.999998	0.999995	0.999991	0.999985	0.999976	7.10
7.11	0.999999	0.999998	0.999996	0.999992	0.999985	0.999976	7.11
7.12	0.999999	0.999998	0.999996	0.999992	0.999986	0.999977	7.12
7.13	0.999999	0.999998	0.999996	0.999992	0.999986	0.999977	7.13
7.14	0.999999	0.999998	0.999996	0.999992	0.999986	0.999978	7.14
7.15	0.999999	0.999998	0.999996	0.999992	0.999986	0.999978	7.15
7.16	0.999999	0.999998	0.999996	0.999992	0.999987	0.999978	7.16
7.17	0.999999	0.999998	0.999996	0.999992	0.999987	0.999979	7.17
7.18	0.999999	0.999998	0.999996	0.999993	0.999987	0.999979	7.18
7.19	0.999999	0.999998	0.999996	0.999993	0.999987	0.999979	7.19
7.20	0.999999	0.999998	0.999996	0.999993	0.999987	0.999980	7.20
7.21	0.999999	0.999998	0.999996	0.999993	0.999988	0.999980	7.21
7.22	0.999999	0.999998	0.999996	0.999993	0.999988	0.999980	7.22
7.23	0.999999	0.999998	0.999996	0.999993	0.999988	0.999981	7.23
7.24	0.999999	0.999998	0.999997	0.999993	0.999988	0.999981	7.24
7.25	0.999999	0.999998	0.999997	0.999993	0.999988	0.999981	7.25
7.26	0.999999	0.999998	0.999997	0.999994	0.999989	0.999981	7.26
7.27	0.999999	0.999999	0.999997	0.999994	0.999989	0.999982	7.27
7.28	0.999999	0.999999	0.999997	0.999994	0.999989	0.999982	7.28
7.29	0.999999	0.999999	0.999997	0.999994	0.999989	0.999982	7.29
7.30	0.999999	0.999999	0.999997	0.999994	0.999989	0.999983	7.30
7.31	0.999999	0.999999	0.999997	0.999994	0.999990	0.999983	7.31
7.32	0.999999	0.999999	0.999997	0.999994	0.999990	0.999983	7.32
7.33	0.999999	0.999999	0.999997	0.999994	0.999990	0.999983	7.33
7.34	1.000000	0.999999	0.999997	0.999994	0.999990	0.999984	7.34
7.35	1.000000	0.999999	0.999997	0.999995	0.999990	0.999984	7.35
7.36	1.000000	0.999999	0.999997	0.999995	0.999990	0.999984	7.36
7.37	1.000000	0.999999	0.999997	0.999995	0.999991	0.999984	7.37
7.38	1.000000	0.999999	0.999997	0.999995	0.999991	0.999985	7.38
7.39	1.000000	0.999999	0.999997	0.999995	0.999991	0.999985	7.39
7.40	1.000000	0.999999	0.999997	0.999995	0.999991	0.999985	7.40
7.41	1.000000	0.999999	0.999998	0.999995	0.999991	0.999985	7.41
7.42	1.000000	0.999999	0.999998	0.999995	0.999991	0.999986	7.42
7.43	1.000000	0.999999	0.999998	0.999995	0.999992	0.999986	7.43
7.44	1.000000	0.999999	0.999998	0.999995	0.999992	0.999986	7.44
7.45	1.000000	0.999999	0.999998	0.999995	0.999992	0.999986	7.45
7.46	1.000000	0.999999	0.999998	0.999996	0.999992	0.999986	7.46
7.47	1.000000	0.999999	0.999998	0.999996	0.999992	0.999987	7.47
7.48	1.000000	0.999999	0.999998	0.999996	0.999992	0.999987	7.48
7.49	1.000000	0.999999	0.999998	0.999996	0.999992	0.999987	7.49
7.50	1.000000	0.999999	0.999998	0.999996	0.999992	0.999987	7.50

APPENDIX B—DERIVATION OF THE PEARSON TYPE III PROBABILITY
DENSITY FUNCTION

According to Tapia and Thompson[†], the differential equation for a Pearson Type III is

$$\frac{1}{p} \frac{dp}{dx} = \frac{d \ln p}{dx} = \frac{x - a}{d_0 + d_1 x + d_2 x^2} \quad (7)^*$$

$$d_2 = 0$$

Equation 7 yields

$$\frac{d \ln p}{dx} = \frac{x - a}{d_0 + d_1 x} = \frac{1}{d_1} \frac{x - a}{x + \frac{d_0}{d_1}}$$

$$d \ln p = \frac{1}{d_1} \frac{x - a}{x + \frac{d_0}{d_1}} dx = k_1 \frac{x - a}{x + k_2} dx \quad (8)$$

$$k_1 = \frac{1}{d_1}$$

$$k_2 = \frac{d_0}{d_1} = d_0 k_1$$

At this point, there will be an advantage to transform equation 8 using

$$x \rightarrow x - a \quad (9)$$

which results in

$$d \ln p = k_1 \frac{x}{x - a + k_2} dx = k_1 \frac{x}{x + k_3} dx \quad (10)$$

$$k_3 = k_2 - a$$

[†] Tapia, Richard A. and Thompson, James, "Non-Parametric Probability Density Estimation," Johns Hopkins Series in the Mathematical Sciences, Number 1, The Johns Hopkins University Press, Baltimore, MD, 1978.

* Please note that equation numbers are ordered continuous from body of report.

Integrating both sides

$$\begin{aligned}\ln p &= k_1 \int \frac{x}{x + k_3} dx \\ \ln p &= k_1 \int \left(1 - \frac{k_3}{x + k_3}\right) dx\end{aligned}\tag{11}$$

Continuing

$$\ln p = k_1 \int \left(1 - \frac{k_3}{x + k_3}\right) dx = k_1 [x - k_3 \ln(x + k_3)] + c\tag{12}$$

where c is the constant of integration. Exponentiating both sides of equation 12 results in

$$\begin{aligned}p(x) &= e^c e^{k_1[x - k_3 \ln(x + k_3)]} = e^c e^{k_1 x} [e^{\ln(x + k_3)}]^{-k_1 k_3} \\ &= K' e^{k_1 x} (x + k_3)^{-k_1 k_3} \\ K' &= e^c\end{aligned}\tag{13}$$

To show that equations 13 and 2 are the same form, re-parameterize

$$\gamma = -k_1\tag{14}$$

so that equation 14 becomes

$$p(x) = K' e^{-\gamma x} (x + k_3)^{k_3 \gamma}\tag{15}$$

which agrees in form with equation 2.

APPENDIX C—DERIVING THE THREE-PARAMETER GAMMA PROBABILITY
DENSITY FUNCTION

Placing the substitutions from equation 4 into 2 results in

$$\begin{aligned}
 p(x) &= Kc_1^{\alpha-1} \left(\frac{c_0}{c_1} + x \right)^{\alpha-1} \exp\left(\frac{-x}{\beta}\right) = K\beta^{\alpha-1} (x - \gamma)^{\alpha-1} \exp\left(\frac{-x}{\beta}\right) \\
 &= K'(x - \gamma)^{\alpha-1} \exp\left(-\frac{x - \gamma}{\beta}\right) \\
 K' &= K\beta^{\alpha-1} \exp\left(-\frac{\gamma}{\beta}\right)
 \end{aligned} \tag{16}^*$$

Transforming the independent variable by way of

$$y = x - \gamma \tag{17}$$

and, by definition of a probability density function

$$\begin{aligned}
 1 &= K' \int_0^{\infty} y^{\alpha-1} \exp\left(-\frac{y}{\beta}\right) dy \\
 &= K' \beta^{\alpha-1} \int_0^{\infty} \left(\frac{y}{\beta}\right)^{\alpha-1} \exp\left(-\frac{y}{\beta}\right) dy
 \end{aligned} \tag{18}$$

Transforming

$$\begin{aligned}
 z &= \frac{y}{\beta} \\
 dz &= \frac{dy}{\beta} \Rightarrow dy = \beta dz
 \end{aligned} \tag{19}$$

The limits remain unchanged. Continuing

$$1 = K' \beta^{\alpha-1} \int_0^{\infty} z^{\alpha-1} e^{-z} dz = K' \beta^{\alpha-1} \Gamma(\alpha) \Rightarrow K' = \frac{1}{\beta^{\alpha-1} \Gamma(\alpha)} \tag{20}$$

and so

$$p(x) = \frac{1}{\beta^{\alpha-1} \Gamma(\alpha)} (x - \gamma)^{\alpha-1} \exp\left(-\frac{x - \gamma}{\beta}\right) \tag{21}$$

the same as equation 3.

* Please note that equation numbers are ordered continuous from body of report

APPENDIX D—MOMENTS OF THE PEARSON TYPE III PROBABILITY
DENSITY FUNCTION

To prove that the mean and standard error of the three-parameter Gamma distribution are respectively $\mu = E(x) = \gamma + \alpha\beta$ and $\sigma^2 = E[(x - \mu)^2] = E(x^2) - \mu^2$, note that by standard of the definitions of the moments,

$$\mu = E(x) = \int xp(x)dx = \frac{1}{\beta\Gamma(\alpha)} \int_0^{\infty} x \left(\frac{x-\gamma}{\beta} \right)^{\alpha-1} \exp\left(-\frac{x-\gamma}{\beta} \right) dx \quad (22)^*$$

Using the transformation

$$\begin{aligned} z &= \frac{x-\gamma}{\beta} \Rightarrow x = \beta z + \gamma \\ dz &= \frac{dx}{\beta} \Rightarrow dx = \beta dz \end{aligned} \quad (23)$$

and the limits remain the same. Applying the transform to equation 22

$$\begin{aligned} \mu &= \frac{1}{\Gamma(\alpha)} \int_0^{\infty} (\beta z + \gamma) z^{\alpha-1} e^{-z} dz \\ &= \frac{\beta}{\Gamma(\alpha)} \int_0^{\infty} z^{\alpha} e^{-z} dz + \frac{\gamma}{\Gamma(\alpha)} \int_0^{\infty} z^{\alpha-1} e^{-z} dz \\ &= \frac{\beta\Gamma(\alpha+1)}{\Gamma(\alpha)} + \frac{\gamma\Gamma(\alpha)}{\Gamma(\alpha)} \\ &= \frac{\beta\alpha\Gamma(\alpha)}{\Gamma(\alpha)} + \gamma = \gamma + \alpha\beta \end{aligned} \quad (24)$$

* Please note that equation numbers are ordered continuous from body of report.

Similarly

$$\begin{aligned}
E(x^2) &= \int x^2 p(x) dx = \frac{1}{\beta \Gamma(\alpha)} \int_0^{\infty} x^2 \left(\frac{x-\gamma}{\beta} \right)^{\alpha-1} \exp\left(\frac{x-\gamma}{\beta} \right) dx \\
&= \frac{1}{\Gamma(\alpha)} \int_0^{\infty} (\beta z + \gamma)^2 z^{\alpha-1} e^{-z} dz \\
&= \frac{1}{\Gamma(\alpha)} \left(\beta \int_0^{\infty} z^{\alpha+1} e^{-z} dz + 2\beta\gamma \int_0^{\infty} z^{\alpha} e^{-z} dz + \gamma^2 \int_0^{\infty} z^{\alpha-1} e^{-z} dz \right) \\
&= \frac{1}{\Gamma(\alpha)} \left[\beta^2 \Gamma(\alpha+2) + 2\beta\gamma \Gamma(\alpha+1) + \gamma^2 \Gamma(\alpha) \right] \\
&= \frac{1}{\Gamma(\alpha)} \left[\beta^2 \alpha(\alpha+1) \Gamma(\alpha) + 2\beta\alpha\gamma \Gamma(\alpha) + \gamma^2 \Gamma(\alpha) \right] \\
&= \beta^2 \alpha(\alpha+1) + 2\beta\alpha\gamma + \gamma^2
\end{aligned} \tag{25}$$

whence

$$\begin{aligned}
\sigma^2 &= E(x^2) - \mu^2 = \beta^2 \alpha(\alpha+1) + 2\beta\alpha\gamma + \gamma^2 - (\gamma + \alpha\beta)^2 \\
&= \beta^2 \alpha^2 + \beta^2 \alpha + 2\beta\alpha\gamma + \gamma^2 - (\gamma^2 + 2\alpha\beta\gamma + \alpha^2 \beta^2) \\
&= \alpha\beta^2
\end{aligned} \tag{26}$$