

Pearson Curves

RePaint Print Input Status Color C%ursors About

Pearson Distribution Curves

Pearson Curve Type VIII

Select Curve Type

0

Select Type of Moments

Central RAW

Enter Moments 1-4

1st: 0.00000

2nd: 1.00000

3rd: 0.00000

4th: 3.00000

Display Options

- Statistics
- PDF
- CDF
- Histogram
- EDF

Gen a Random Sample

Sample Size = 1000

Total Generated: 0

Fit Pearson Curve

Pearson Curve Type VIII (Normal)

$$f(x) = K \cdot \exp\left(-\frac{(x - \text{avg})^2}{2 \cdot \text{TwoSigSq}}\right) \quad \text{Lower} < x < \text{Upper}$$

Fitted Parameters:

Mean:	0.0000000
Sigma:	1.0000000
Ln K:	-0.9189317
Mean2:	0.0000000
Lower:	-4.5000000
Upper:	4.5000000
AbsErr:	1.6E-08
Mode2:	0.0000000
Median:	-0.0000000
Skew:	0.0000000
Kurt:	0.0000000
SubDiv:	2000
Beta2:	3.0000000
Kappa:	0.0000E+00
Time:	01:42:30
Date:	29/03/2016

Pearson Distribution

Input Parameters for

Mean:	0.00000
cm2:	1.00000
cm4:	3.00000
b1:	-0.0000E+00
Beta1:	0.00000
Skew:	0.00000
Sk1:	0.0000E+00
Disc:	0.0000E+00

This Pearson Type Cu
Should be a Type VII
When Kappa = 0.0000
And Beta2 = 3.0000
Percentiles from the

P(.90):	1.282
P(.975):	1.960
P(.995):	2.576