

**See Also**

Chapter III-12, **Statistics** for a function and operation overview; the **StatsNCChiCDF**, **StatsNCChiPDF**, **StatsChiCDF**, and **StatsChiPDF** functions.

**StatsInvNCFCDF**

**StatsInvNCFCDF(cdf, n1, n2, d)**

The StatsInvNCFCDF function returns the numerically evaluated inverse of the cumulative distribution function of the noncentral F distribution.  $n1$  and  $n2$  are the shape parameters and  $d$  is the noncentrality measure. There is no closed form expression for the inverse.

**See Also**

Chapter III-12, **Statistics** for a function and operation overview; the **StatsNCFCDF** and **StatsNCFPDF** functions.

**StatsInvNormalCDF**

**StatsInvNormalCDF(cdf, m, s)**

The StatsInvNormalCDF function returns the numerically computed inverse of the normal cumulative distribution function. There is no closed form expression.

**See Also**

Chapter III-12, **Statistics** for a function and operation overview; the **StatsNormalCDF** and **StatsNormalPDF** functions.

**StatsInvParetoCDF**

**StatsInvParetoCDF(cdf, a, c)**

The StatsInvParetoCDF function returns the inverse of the Pareto cumulative distribution function

$$x = \frac{a}{(1 - cdf)^{(1/c)}}$$

**See Also**

Chapter III-12, **Statistics** for a function and operation overview; the **StatsParetoCDF** and **StatsParetoPDF** functions.

**StatsInvPoissonCDF**

**StatsInvPoissonCDF(cdf, λ)**

The StatsInvPoissonCDF function returns the numerically evaluated inverse of the Poisson cumulative distribution function. There is no closed form expression for the inverse Poisson distribution.

**See Also**

Chapter III-12, **Statistics** for a function and operation overview; the **StatsPoissonCDF** and **StatsPoissonPDF** functions.

**StatsInvPowerCDF**

**StatsInvPowerCDF(cdf, b, c)**

The StatsInvPowerCDF function returns the inverse of the Power Function cumulative distribution function

$$x = b / cdf^{(1/c)}.$$

where the scale parameter  $b$  and the shape parameter  $c$  satisfy  $b, c > 0$ .

**See Also**

Chapter III-12, **Statistics** for a function and operation overview; the **StatsPowerCDF**, **StatsPowerPDF** and **StatsPowerNoise** functions.