StatsFCDF	**StatsNormalCDF**	**StatsVonMisesCDF**
StatsFriedmanCDF	**StatsParetoCDF**	**StatsQCDF**
StatsGammaCDF	**StatsPoissonCDF**	**StatsWaldCDF**
StatsGeometricCDF	**StatsPowerCDF**	**StatsWeibullCDF**

Probability Distribution Functions

Probability distribution functions (PDF) are sometimes known as probability densities. In the case of continuous distributions, the area under the curve of the PDF for each interval equals the probability for the random variable to fall within that interval. The PDFs are useful in calculating event probabilities, characteristic functions and moments of a distribution.

The functions to calculate values from PDFs are as follows:

StatsBetaPDF	**StatsGammaPDF**	**StatsParetoPDF**
StatsBinomialPDF	**StatsGeometricPDF**	**StatsPoissonPDF**
StatsCauchyPDF	**StatsHyperGPDF**	**StatsPowerPDF**
StatsChiPDF	**StatsLogNormalPDF**	**StatsRayleighPDF**
StatsDExpPDF	**StatsMaxwellPDF**	**StatsRectangularPDF**
StatsErlangPDF	**StatsBinomialPDF**	**StatsStudentPDF**
StatsErrorPDF	**StatsNCChiPDF**	**StatsTriangularPDF**
StatsEValuePDF	**StatsNCFPDF**	**StatsVonMisesPDF**
StatsExpPDF	**StatsNCTPDF**	**StatsWaldPDF**
StatsFPDF	**StatsNormalPDF**	**StatsWeibullPDF**

Inverse Cumulative Distribution Functions

The inverse cumulative distribution functions return the values at which their respective CDFs attain a given level. This value is typically used as a critical test value. There are very few functions for which the inverse CDF can be written in closed form. In most situations the inverse is computed iteratively from the CDF.

The functions to calculate values from inverse CDFs are as follows:

StatsInvBetaCDF	**StatsInvKuiperCDF**	**StatsInvQpCDF**
StatsInvBinomialCDF	**StatsInvLogisticCDF**	**StatsInvRayleighCDF**
StatsInvCauchyCDF	**StatsInvLogNormalCDF**	**StatsInvRectangularCDF**
StatsInvChiCDF	**StatsInvMaxwellCDF**	**StatsInvSpearmanCDF**
StatsInvCMSSDCDF	**StatsInvMooreCDF**	**StatsInvStudentCDF**
StatsInvDExpCDF	**StatsInvNBinomialCDF**	**StatsInvTopDownCDF**
StatsInvEValueCDF	**StatsInvNCFCDF**	**StatsInvTriangularCDF**
StatsInvExpCDF	**StatsInvNormalCDF**	**StatsInvUSquaredCDF**
StatsInvFCDF	**StatsInvParetoCDF**	**StatsInvVonMisesCDF**