Weibull Analysis Formulas

The formula for the Probability Density Function (PDF) of a three-parameter Weibull distribution is:

$$f(x) = \frac{\beta}{\eta}\left(\frac{t-\gamma}{\eta}\right)^{\beta-1} e^{-\left(\frac{t-\gamma}{\eta}\right)^{\beta}}$$

where: $f(x) \geq 0, x \geq \gamma$

The PDF formula for the two-parameter Weibull distribution is:

$$f(x) = \frac{\beta}{\eta}\left(\frac{t}{\eta}\right)^{\beta-1} e^{-\left(\frac{t}{\eta}\right)^{\beta}}$$