Formula Sheet Probability & Statistics

Poisson Distribution Formula Definition 3.11:

Chebyshev's Formula Definition 3.11:

or

Distribution Function of Y:

Probability Density Function Definition 4.3:

or

Uniform Distribution Definition 4.6:

Normal Probability Distribution:

Gamma Distribution Definition 4.9:

Where

Exponential Distribution Definition 4.11:

Beta Distribution Definition 4.12:

Where

Definition 5.1:

Definition 5.2:

Joint PDF Definition 5.3:

Marginal Probability Function: