**Formula Sheet**

**Mean:**

**Median:**

(For Odd Data)

(For even Data)

**Mode:**

**Variance:**

**Standard Deviation:**

**Mn Rule:**

**Permutation:**

**Combination:**

**Conditional Probability:**

**Multiplicative Law of Probability:**

(General)

(Specific)

**Additive Law of Probability:**

**Theorem of Total Probability:**

**Bayes Theorem:**

**Expected Value of a Random Variable:**

**Variance Value of a Random Variable:**

**Binomial Probability Distribution:**

**Expected Value and Variance of Binomial:**

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**Geometric Distribution:**

**Expected Value and Variance of geometric Distribution:**

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**Negative Binomial Distribution:**