

Experiment

Sample Space of an Experiment

Probability of an outcome in an experiment (Experimental Probability)

Theoretical Probability of an Outcome if there are  $n$  equally likely outcomes

Example

**Probability of Events**

Example

Sample Space,  $S$

Probability of an Event  $E$

$$P(E) = \frac{\# E}{\# S}$$

Example  $E$

$$0 \leq P(E) \leq 1$$

Probability SUM formula

Example F

**Probability of Compound Events**

Probability of events A and B that are not disjoint

Probability of events A and B that are disjoint

Probability ADDITION Property

Example G

**Complimentary Events**

Definition / Description

Example

**Odds**

Definition / Description

Example