

TERMS

Probability Model: a mathematical representation of a random event. **Sample Space:** a range of values of a random variable. **Probability:** a quantifiable amount for the likelihood of an event occurring. **Axioms of Probability:** 1) Probability of 1 $\mathbb{P}(A \cup B) = \mathbb{P}(A) + \mathbb{P}(B) - \mathbb{P}(A \cap B)$