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Intro: Random Experiment: An outcome for each run. Sample Space \Omega: Set of all possible outcomes. Event: Subsets of \Omega. Prob. of Event A: P(A) = \frac{\text{Number of outcomes in } \Omega}{\text{Number of outcomes in } \Omega}
Axioms: P(A) \ge 0 \ \forall A \in \Omega, P(\Omega) = 1, M implies of outcomes in \Omega Axioms: P(A) \ge 0 \ \forall A \in \Omega, P(\Omega) = 1, M implies of outcomes in \Omega Axioms: P(A) \ge 0 \ \forall A \in \Omega, P(\Omega) = 1, M implies \Omega in \Omega. If A \cap B = \emptyset, then P(A \cup B) = P(A) \cap B and \Omega in \Omega
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