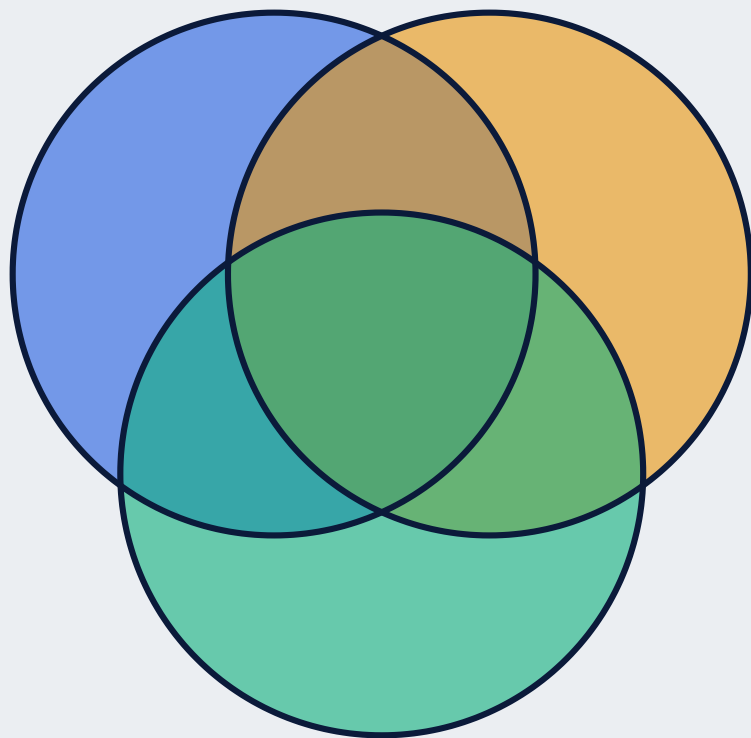


Probability


Probability

$$P(\text{not } A) = 1 - P(A);$$

$$\text{expected frequency} = n \times P(A)$$

Relative frequency

$$\frac{\text{frequency of the outcome}}{\text{number of trials}}$$

Mutually exclusive

$$P(A \text{ or } B) = P(A) + P(B)$$

Independent

$$P(A \text{ and } B) = P(A) \times P(B)$$

Conditional

$$P(A \mid B) = \frac{P(A \cap B)}{P(B)}$$