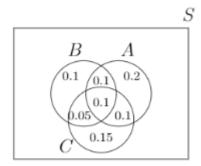
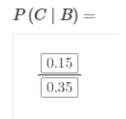
Topics Covered in this Exercise:

- Set Theory and Venn Diagrams
- Basic Probability
- Conditional Probability
- Union of Events
- Intersection of Events
- Complement of Events

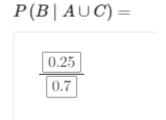


$$P(A \mid B) = \frac{0.2}{0.35}$$

 $P(A \mid B) = P(A \mid B)/P(B)$



 $P(C \mid B) = P(C \mid B) / P(B)$



 $P(B \mid A \cup C) = P(B \mid n(A \cup C))/P(A \cup C)$

$$P(B \mid A, C) =$$

$$0.1$$

$$0.2$$

 $P(B \mid A, C) = P(B n A n C)/P(A n C)$