Conditional Probability :
==========

Conditional Probability I

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

*"The probability of **event B given event A** equals the probability of **event A and event B** divided by the probability of **event A***

Conditional Probability II

70% of your friends like Chocolate, and 35% like Chocolate AND like Strawberry.

What percent of those who like Chocolate also like Strawberry?

Conditional Probability III

P(Strawberry|Chocolate) = P(Chocolate and Strawberry) / P(Chocolate)

0.35 / 0.7 = 50%

50% of your friends who like Chocolate also like Strawberry