

February 22nd

Theoretical and Experimental Probability

Theoretical Probability: the actual probability...the probability that you expect

For Example

Flipping a Coin

$$TP_{(H)} = \frac{1}{2}$$

Experimental Probability: the probability you get after performing an experiment

For Example

Flipping a Coin 10 times

6 HEADS
 $\frac{6}{10} = \frac{3}{5}$

H, H, T, H, T, H, T, H, H, T

$$EXP_{(H)} = \frac{3}{5}$$

$$EXP_{(T)} = \frac{2}{5}$$

4 TAILS
 $\frac{4}{10} = \frac{2}{5}$

HW
Sheet 9-6