

INSTRUCTOR: MR BRICE

DATE: 04/18/2019.

NOTES TAKER: Enoch.

Theoretical

Empirical

Flipping a coin (heads)  $\frac{1}{2}$  or .50 or 50%

$$\frac{10}{19} = .526$$

Flipping a coin 5 times (heads) 2, 3, 1, 2, 2, 2, 4, 3, 1, 2, 4, 2, 1, 3, 1, 2, 3, 4, 2, 2.

$$\frac{46}{100} \text{ or } .46$$

Flipping a coin 20 times (no. of heads) ~~2, 3, 1,~~ 9, 9, 11, 10, 12, 15, 15, 8, 11, 9, 6, 12, 15, 14, 11, 8, 9, 10, 9, 11, 10, 10

$$\begin{array}{r} \underline{234} \\ \underline{\underline{234}} \quad 440 \\ = .531 \end{array}$$

As the denominator increases, the value of the empirical gets closer to the theoretical.