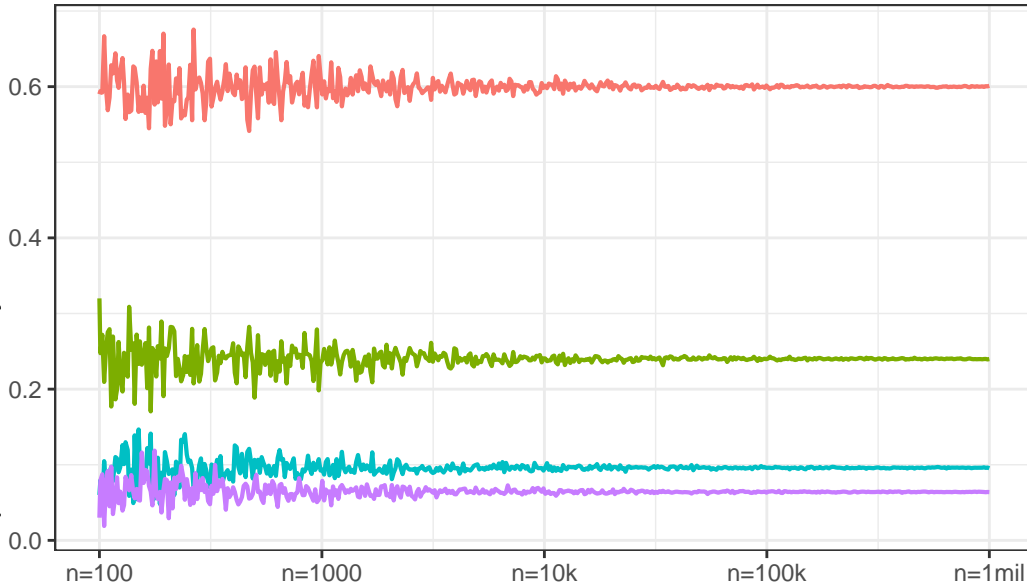


# Law of Large Number, Unfair Four Sided Dice

$P(S=1)=0.600$ ,  $P(S=2)=0.240$ ,  $P(S=3)=0.096$ ,  $P(S=4)=0.064$

Empirical Probability Based on Dice Throws



dice.draw

— dice side = 1

— dice side = 2

— dice side = 3

— dice side = 4

Number of Times Throwing the Four-sided Dice

As n increases, approximates true probabilities