

Module 5b – Probability Exercise

Probability, Exercise Part One

Coin Toss Experiment:

In pairs, have one person toss a coin 20 times and the other record the number of tosses.

Quantity	Percentage
Heads _____	_____
Tails _____	_____

What is the expected value for heads and tails? What is the actual value?

If you tossed the coin 500 times, would you be likely to get a percentage closer or further from the actual probability?

Probability, Exercise Part Two

If you were to draw 24 cards from a deck of 52 replacing each card after recording its suit, predict how many of each suit you would expect to draw.

Hearts (estimate)

Clubs (estimate)

Diamonds (estimate)

Spades (estimate)

Now Select 24 cards (with replacement) and tally the total number of cards that fall into each category.

Hearts (actual value)

Clubs (actual value)

Diamonds (actual value)

Spades (actual value)

Hearts (percentage)

Clubs (percentage)

Diamonds (percentage)

Spades (percentage)
