



Assignment #2 - Part 1

- » Assume that you shuffle a regular deck of cards and draw a single card. After that you reshuffle and draw a second card.
- » If Aces count as 1, and the 10, Jack, Queen, and King count as 10, and all other cards are their face value.
 - » Calculate all possible outcomes of the two-card draw.
 - » Determine the probability of each outcome
 - » Write a pdf for this set of outcomes: It may have multiple parts.
 - » What are the median and mode for this distribution?
- » Write a python routine that
 - » Generates a random card from a deck of 52
 - » Generates a second random card from a deck of 52
 - » Adds the two card values
 - » Records the value
 - » Repeats this process at least 10,000 times
 - » Determines the median and mode from the simulated data
- » Compare the results of your first analysis with the results from the program