Task 1
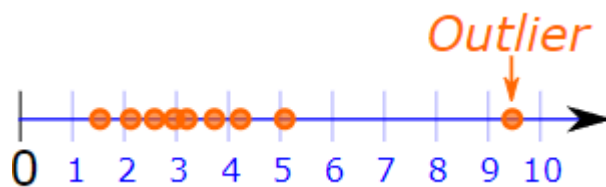
What are outliers?

A value that "lies outside" (is much smaller or larger than) most of the other values in a set of data.

For example in the scores 25,29,3,32,85,33,27,28 both 3 and 85 are "outliers".

- How does it affect data?

Outliers can change the results of the data analysis and statistical modeling. Following are some impacts of outliers in the data set : It may cause a significant impact on the mean and the standard deviation. ... They can also impact the basic assumption of Regression, ANOVA, and other statistical model assumptions.

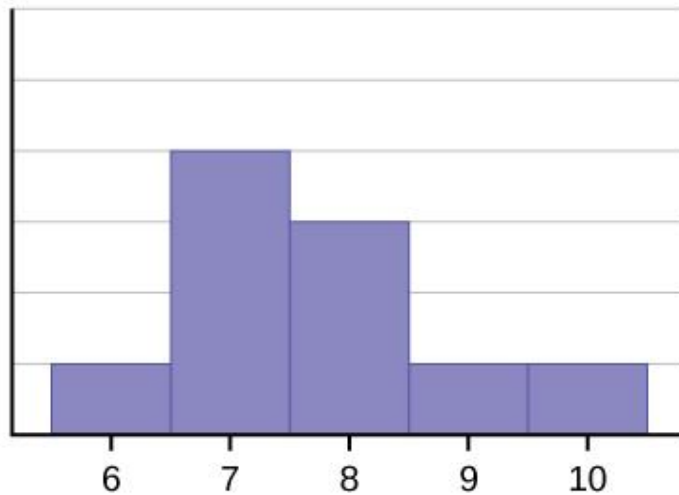## Task 2

What are the mean, median, and mode?

Mean: the average, which is found by adding up all the values in a set of data and dividing it by the total number of values you added together.

Median: the middle number in the set of values. You find it by putting the numbers in order from the smallest to largest and covering up one number on each end until you get to the middle.

Mode: the number or value, which appears most often in the set. To find the mode, you need to count how many times each value appear

- if their order is (Mean > median > mode), so is this data right/ left skewed or normal distribution?

skewed to the right.

Task 3

What is the tossing a fair coin 10 times and getting heads 9 times?

<div align="center">

SOL

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Number of possible outcomes from 10 flips: $2^{**}10 = 1024$.

probability of getting 9 heads = (10 C 9)/(1024) = (10)!/(9)! *(10-9)! = 10

Task 4

If you know programming, solve these two. if not, just type NA. *

* https://codeforces.com/contest/791/problem/A

* https://codeforces.com/contest/58/problem/A

SOLVE PROBLEM 1:

problem1.py

150351580	Mar/21/2022 13:32^UTC+2	husseinshafeek10	A - Bear and Big Brother	Python 3	Accepted	46 ms	0 KB

SOLVE PROBLEM 2:

problem2.py

150353715	Mar/21/2022 13:53^UTC+2	husseinshafeek10	A - Chat room	Python 3	Accepted	46 ms	0 KB

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