Coursera Stats Video Lectures – Measures of Center

Week 1, Video 7

1. Mean
   1. arithmetic average
   2. sample mean
   3. population mean µ
2. Median
   1. midpoint of the distribuition (50% quantile)
   2. the median in an even number set of sample data is the average of the two closest numbers to the meidan
3. Mode
   1. most frequent observation
4. the 3 M’s from a sample are called a sample statistic. They are considered to be a point estimate to the true population parameter
5. Left skewed distributions typically have lower means than medians
6. Right skewed distributions typically have higher means than the median
7. in Symmetical distributions the mean is near the median