

R Day 7:-

- 1) IQ is a normal distribution of mean of 100 and standard deviation of 15
 - a) What percentage of people have an $IQ < 125$?
 - b) What percentage of people have $IQ > 110$?
 - c) What percentage of people have $110 < IQ < 125$?
 - d) Find 25% for standard normal distribution.
 - e) Find 25% normal distribution with mean and standard deviation 2 & 3.
 - f) What IQ separates the lower 25% from the others.
 - g) What IQ separates the top 25% from the others.
 - h) Find 25 percentile for mean 100 and SD 15.
- 2) Generate the 20 random number for a normal distribution with mean 572 and SD is 51. Calculate mean and SD of data set.
- 3) Make appropriate histogram of data in above question and visually assume if normal density curve & histogram density estimates are similar.