

Introduction to Data Science

Learn everything about analytics

In the previous video

- Probability mass function for large number of Bernoulli Trials
- Probability mass function for infinite number of Bernoulli Trials
- Probability Density function
- Area under the graph of Probability Density Function



Huge amount of Data



Small Chunks of data

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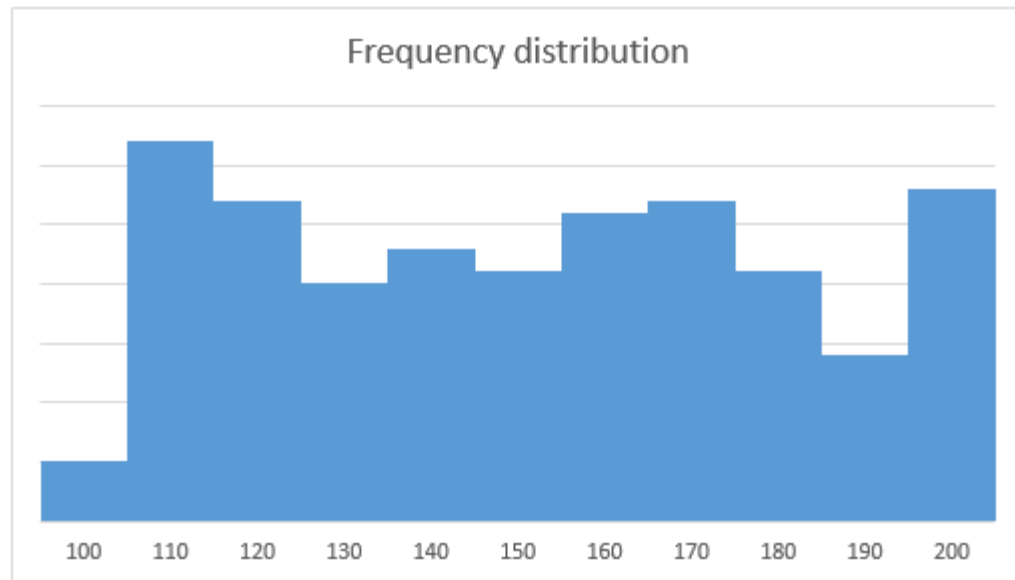


Mean = 153.2

Median = 150

Mode = 110

Frequency Distribution of Cholesterol



Cholesterol Levels

Mean = 153.2



Mean = 139



Mean = 110

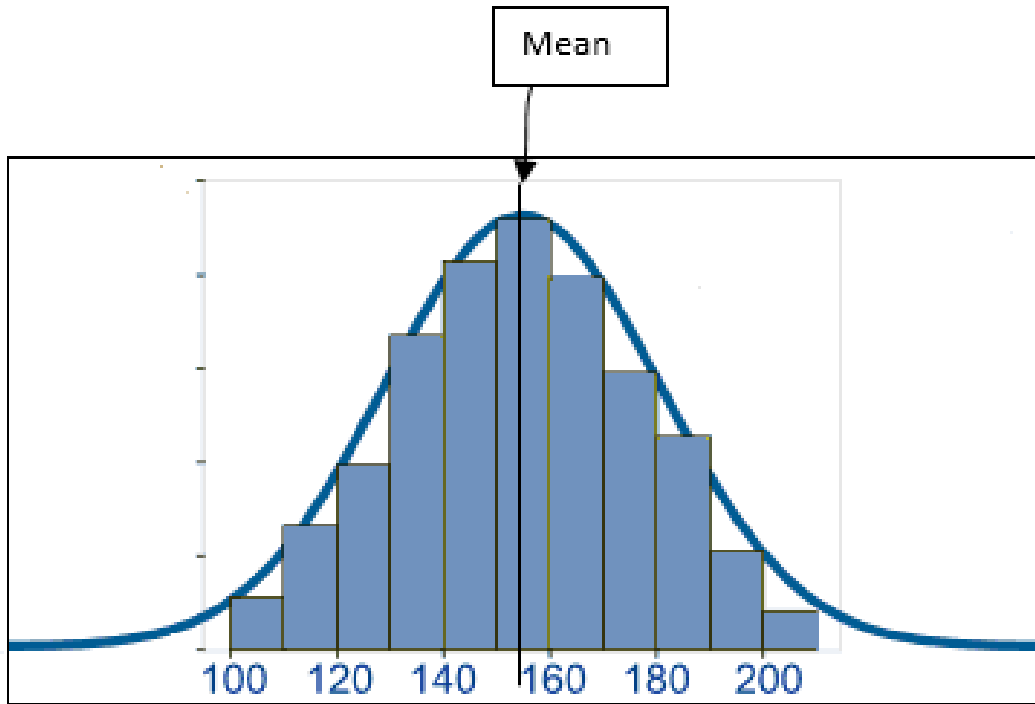


Mean = 161



Mean = 175.1

Distribution of Means for samples



← Means of Samples

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Central Limit Theorem

- If we take means of random samples from a distribution and we plot the means, the graph approaches to a normal distribution when we have taken sufficiently large number of such samples.
- The theorem also says that the mean of means will be approximately equal to the mean of sample means.

