

- 1) What is the difference between Data analysis and Machine learning?

Data Analysis is a process of understanding the data, find patterns and try to obtain inferences due to which the underlying patterns are observed. Machine Learning is when you train a system to learn those patterns and try to predict the upcoming pattern.

- 2) What is Big Data?

Big Data is a collection of data that is huge in volume, yet growing exponentially with time. It is a data with so large size and complexity that none of traditional data management tools can store it or process it efficiently. Big data is also a data but with huge size.

- 3) What are the four main things we should know before studying Data analysis?

Strong math understanding, Computing skills, critical thinking, data visualization and also we want presentation skills to present the analysed data.

- 4) Most common characteristics used in descriptive statistics?

Measures of central tendency and measures of dispersion are the most common characteristics used in descriptive statistics

- 5) What is quantitative data and qualitative data?

Quantitative data are measures of values or counts and are expressed as numbers. Quantitative data are data about numeric variables (e.g. how many; how much; or how often). Qualitative data are data, which can be observed and recorded. These are non numerical in nature (e.g. Gender, city, colour)