

What is Data Science?

- Study of data and work with data to find answer to the question.
- Process and analyze data to understand model or hypothesis and story from data
- Data Analysis uncover trend or insight hiding behind data to understand knowledge of organizational environment and criteria for value to business.
- Focus on specific problem by asking question about types and origin of data
- Data can be structured in tabular format or unstructured such as audio, text or video format.
- Data analysis allows finding pattern and insights or outliers from large volume of data.
- Insights gathered from data are visualized using different tools and presented as story which is used to make intelligent decisions and actions.
- Data Scientist must be curious, judgmental and argumentative in specific field such as health, finance or technological industry.
- Steps of Data Science follows:

Problem Clarification -> Data Collection -> Analysis -> Recognition -> Storytelling/Visualization