Introduction to Data and Data Analysis:

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- Data Engineers: Build and design the data.
- Data Architect: Design data systems
- Data Analyst: Model the data, more access, automates the flow of data
- Data scientist: Process skill of analyst, engineer, and architect
- Data Literate: Ability to read, speak, listen and understand the data
- Data Fluent: The ability to create, something beyond just being able to understand read and use it.

Data Governance: A framework that incorporates strategies to create solid state of data, enable accountability and provide transparency to data in the organization.

- 1. Access information
- 2. Source of truth
- 3. Master data management

Quality of Data: Data can be trusted to produce accurate insights.

Hallmark of quality data:

- 1. Completeness
- 2. Consistency
- 3. Validity
- 4. Accurate

Introduction to Business Intelligence

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- Data and business intelligence (BI) give you the information and ability to make intelligent decisions.
- KPI- Key Performance Indicators
- Store the data which is important to the business.
- Businesses need to define the metrics that help track the overall data for the organization.
- **Data Analysis:** Analyzing and capturing the original data to compare over time.
- Business Intelligence: Understanding where we stand on any given day.
- Business Analytics: Seeing and predicting future outcomes.

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