

# Glossary

## Data Analytics

### Terms and Definitions



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**Analytical skills:** Qualities and characteristics associated with using facts to solve problems

**Analytical thinking:** The process of identifying and defining a problem, then solving it by using data in an organized, step-by-step manner

**Context:** The condition in which something exists or happens

**Data:** A collection of facts

**Data analysis:** The collection, transformation, and organization of data in order to draw conclusions, make predictions, and drive informed decision-making

**Data analyst:** Someone who collects, transforms, and organizes data in order to draw conclusions, make predictions, and drive informed decision-making

**Data analytics:** The science of data

**Data design:** How information is organized

**Data-driven decision-making:** Using facts to guide business strategy

**Data ecosystem:** The various elements that interact with one another in order to produce, manage, store, organize, analyze, and share data

**Data science:** A field of study that uses raw data to create new ways of modeling and understanding the unknown

**Data strategy:** The management of the people, processes, and tools used in data analysis

**Data visualization:** The graphical representation of data

**Dataset:** A collection of data that can be manipulated or analyzed as one unit

**Gap analysis:** A method for examining and evaluating the current state of a process in order to identify opportunities for improvement in the future

**Root cause:** The reason why a problem occurs

**Technical mindset:** The ability to break things down into smaller steps or pieces and work with them in an orderly and logical way

**Visualization:** (Refer to data visualization)