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## Data

Data are characteristics or information, usually numerical, that are collected through observation. In a more technical sense, data is a set of values of qualitative ~~and~~ or quantitative variables about one or more persons or objects, while datum is a single value of single variables.

Data is measured, collected and reported, and analyzed, whereupon it can be visualized using graphs, images or other analysis tools.

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## Information

Information can be thought of as the resolution of uncertainty; it is that which answers the question

"What an entity is" and thus defines both its essence and nature of its characteristics. The concept of information has different meanings in different contexts knowledge. Knowledge is a familiarity, awareness, or understanding of someone or something, such as facts, skills, or objects. Knowledge can be acquired in many different ways and from many different sources, including but not limited to experience, education, reason, memory, ~~the~~ scientific inquiry, exploration, and practice.