

Importance of Data Exploration in Data Analysis A Review Paper

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Abstract: *Exploration, one of the first steps in data processing, is a way to know the data before working with it. Through research and investigation, large data sets are prepared for in-depth, systematic analysis. Data Analytics refers to the process of analyzing data collected from a variety of sources in order to reach a meaningful conclusion. This process enables us to capture raw data and reveal patterns to extract important information or details from it. It helps organizations and individuals to make sense of the data collected. There are various tools and strategies that help organizations make decisions and succeed in them. Once the data has been collected it is important to process that data. In Data Analytics, Data Exploration is the first or main step used to understand, evaluate and visualize data to obtain important information from the beginning or to identify patterns or key areas that you can dig deeper. It Uses a combination of automated tools and manual methods such as charts, visuals, and reports. In this case, we get a lot of details from the data, reveal its basic structure, detect any external, error data, and confusion if there is data, evaluate the basic assumptions, and determine the appropriate feature settings. Using data exploration tools and methods such as dashboards, reports, and point-to-point data test users can understand the big picture and can find information on it easily.*

Keywords: Data Analysis, Data Exploration, Data Management

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