

Milestone 2:Data Preparation

Preparing data for visualization is a crucial step in the data analysis pipeline, involving various tasks to ensure the quality and usability of the dataset. Initially, cleaning the data is essential, which entails identifying and removing irrelevant or missing data points that could skew the analysis. Transforming the data into a format conducive to visualization involves organizing it in a structured manner, standardizing units of measurement, and converting categorical variables into numerical ones where necessary.

MILESTONE 3: Prepare the Data for Visualization

Exploring the data is another vital aspect of preparation, where analysts delve into the dataset to uncover underlying patterns, trends, and relationships among variables. This exploration aids in determining which aspects of the data are most relevant for visualization and analysis. Filtering the data allows analysts to focus on specific subsets or segments of the dataset, refining the scope of analysis and visualization to address particular questions or objectives.

Once the data is cleaned, transformed, explored, and filtered, it is prepared for integration into visualization software such as Tableau. This involves formatting the data according to the requirements of the software and ensuring compatibility with the chosen visualization techniques. Additionally, ensuring the accuracy and completeness of the data is paramount throughout the preparation process, as any inaccuracies or omissions could lead to erroneous conclusions during analysis.