

TITLE: People and Professions: A Demographic Snapshot.

OBJECTIVES AND OUTCOMES

OBJECTIVES:

1. To explore the demographic composition of the dataset by analyzing the distributions of age and gender.
2. To investigate the professional landscape represented in the dataset by examining the distribution of occupations across different cities.

OUTCOMES:

1. Students will be able to calculate descriptive statistics such as mean, median, and mode to summarize the age distribution within the dataset. Students will create visualizations, such as histograms and pie charts, to illustrate the gender distribution and its relative proportions.
2. Students will analyze the frequency of occupations within each city to identify the most common professions in various geographic locations. Students will generate a choropleth map visualizing the geographical distribution of occupations, providing insights into regional employment patterns. These objectives and outcomes aim to engage students in exploring and analyzing different aspects of the dataset, from demographic characteristics to occupational distributions, fostering a comprehensive understanding of the data through both statistical analysis and visualization techniques

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