1 Principles of effective graphical display

1.1 Show the data

1.2 Represent magnitudes accurately

1.3 Draw graphical elements clearly

1.4 Avoid or minimize clutter

1.5 Clearly identify axes

1.6 Make displays easy to interpret:

2 Frequency distributions: Bar graphs and histograms

2.1 Display frequency distributions, categorical and numerical variables

2.2 Categorical data: Bar graph

2.3 Numerical data: Histogram, cumulative frequency distribution

3 Associations and relationships

3.1 Two categorical variables: grouped bar graph

3.2 Numerical variable vs. categorical variable: grouped histograms

                    Cumulative frequency distributions

                    Line plot (ordinal categories)

3.3 Two numerical variables: scatter plot, line plot, map