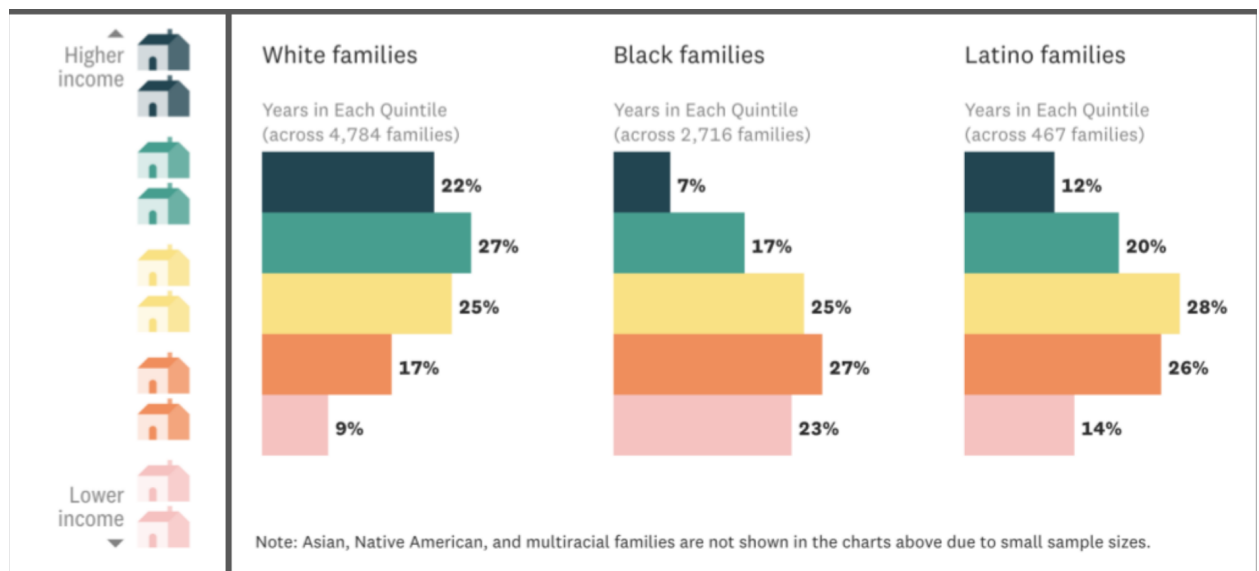Data visualization:
- A graph, picture, or illustration that helps people understand important patterns in a dataset.

Note: Asian, Native American, and multiracial families are not shown in the charts above due to small sample sizes.

Visualization Techniques
- Relative Frequency Table
  - Shows the frequency of something within the sample of data
- Bar Chart
  - Very simple
  - Can display frequency of data
- Pie Chart
  - Display one variable but can't display more than one variable
- Pictograph
  - Uses pictures to describe data (basketball = 100 kids)
  - Can use multiple pictures as data increases or increases the size of picture as data increases
- Binning
  - Takes a quantitative variable and places it in categories
- Histograms
  - Bar chart thats squished together
  - Displays the spread of data
  - Each bar shows a range of data instead of one value
- Dotplot
  - Has one dot for each piece of data in a dataset
  - Shows general shape of data but obscures extra information about the data
- Stemplot
  - Each stem is a bin of data with a value that each datapoint in that bin begins with
- Boxplots
  - Box stretches across IQR with a line at the median

- - Has whiskers for minimum and maximum
  - Individual points are outliers
- Cumulative Frequency
  - Histogram except each bar shows the percentage of data in that bin + all the bins that came before it