Community Survey

Answers:

* 1. Id: chr

Id2: int

Geography: chr

PopGroupID: int

POPGROUP.displat.label: chr

RacesReported: int

HSDegree: num

BachDegree: num

Text, letter

Description automatically generated

Chart, histogram

Description automatically generated

* + 1. Yes, based on this graph the data appears to be unimodal because there is only one highest peak
    2. No, the histogram is not symmetrical. The data is skewed to one side.
    3. No, it is not bell shaped because it is skewed to one side.
    4. No, the histogram is not normally distributed
    5. Yes, the histogram is skewed. It is negatively skewed.

Chart, histogram

Description automatically generated

* + 1. No, a normal distribution would not be an accurate model for this data as it can be seen the data is far from the normal curve.

Chart, line chart

Description automatically generated

* + 1. No, the distribution is not normal. The data is heavily skewed to one end of the graph.
    2. Yes, the data is skewed. It is negatively skewed because the graph has its peak to the right side and a long tail to the left.

Text

Description automatically generated with low confidence

* The skew being a negative number suggests that there is a build up of high scores
* The positive value for kurtosis indicates that the data set is pointy with a heavily-tailed distribution
* The skew.2SE and kurt.2SE being larger than 1 indicates that they are significant
* As the sample size increases the kurtosis and skew numbers could appear to be significant even if they are not and these numbers should not be used for analysis

Code:

Graphical user interface, text, application, email

Description automatically generated