

Uni-variate Data Analysis

When dealing with Uni-variate Data, it is important to comment on the following:

Shape

Center

Spread

In the context of this course, when you are told to “Analyze the data” of a univariate data set you are expected to do the following:

You should give:

1. Draw at least one appropriate graphical display of the data.
2. Comment on the shape of the distribution.
3. Five number summary (*when appropriate). When not, just min, median, and max.
4. Identify any outliers using the $1.5 \times \text{IQR}$ criterion. (*When appropriate)
5. Mean
6. Standard deviation

* Only report Q_1 and Q_3 when the data set includes at least 10-20 values. Below that reporting these is misleading.