

BY THE END OF THIS SESSION YOU SHOULD BE ABLE TO:

- Conceptual:
 - Explain variance in terms of the advantages of squaring its values and why it is calculated differently for a population and a sample.
 - Draw a positively-skewed, normal, and negatively-skewed distribution, identifying the mean, median, and mode in each.
 - Identify the various parts of a box-plot, such as the median, Q1, Q2, IQR, and the minimum (i.e., $Q1 - 1.5 \times IQR$) and maximum (i.e., $Q3 + 1.5 \times IQR$).
- Coding:
 - Perform a simple merge using two DataFrames. [[In-class | Session 05 and 06](#)]
 - Create a simple box plot using the seaborn package. [[In-class | Session 06](#)]

