

Objectives

By the end of the day's class, students should be able to do the following:

- Identify the relative locations of the mean, median, and mode of a random variable based on a graph of the PDF/PMF.
- Compare the relative skew and spread of a variable based both on a description and the graph of its PDF/PMF.
- State the definition of the n th moment, the n th central moment, and the n th standardized moment of a random variable.
- Give examples of symmetric and asymmetric random variables.
- Explain what skew and kurtosis measure.