Lesson 17

Title: Transformations & Moment Generating Functions

Objectives:

1. Given the distribution of a random variable, find the distribution of a transformation of that random variable.
2. Given the distribution of a random variable, find its moment generating function.
3. Understand the properties of the moment generating function.
4. Use the moment generating function to determine moments.

Reading: Jupyter Notebook Lesson 17

Videos: None

Augmented Material:

Practical Application:

1. Math 377 Lesson 17.ipynb

Lesson 10

Title: Introduction to iteration

Objectives:

1. Understand and apply conditional statements in Python
2. Understand and apply basic iteration (for loops) in Python

Reading: AD Chapter 9

Videos: edX Data8.1x; Lectures 13.1-13.7

Augmented Material:

Practical Application:

1. Q
2. Q