Lesson 16

Title: Joint Distributions

Objectives:

1. Use joint probability distribution functions (joint pmf, joint pdf) to find probabilities.
2. Use joint probability distribution functions to find marginal and conditional probabilities, functions, and expected values
3. Understand and obtain the values of covariance and correlation

Reading: Jupyter Notebook Lesson 16

Videos: None

Augmented Material: As promised, I have created “Math 377 Probability Distribution Practice.ipynb” and posted on the Google Drive. You are not required to put this on your GitHub page. I highly encourage you to work through these problems as they will enhance your understanding of probability distributions, and improve your ability to find probabilities using the scipy package in Python.

Practical Application:

1. Math 377 Lesson 16.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