Unit 7 - Week 5

Assignment 5

Due on 2023-03-04, 23:59:59 ET.

Week 1

1. Define random variable X and Y. (a) X = 0.1 + Z, where Z is a normal random variable with mean 0 and variance 1. (b) Y = 9.0 + 2.0Z + Z^2, where Z is a normal random variable with mean 0 and variance 1. What is the distribution of X? What is the distribution of Y?

Week 2

1. Define random variable X. (a) X = 0.1 + Z, where Z is a normal random variable with mean 0 and variance 1. (b) Y = 9.0 + 2.0Z + Z^2, where Z is a normal random variable with mean 0 and variance 1. What is the distribution of X? What is the distribution of Y?

Week 3

1. Define random variable X. (a) X = 0.1 + Z, where Z is a normal random variable with mean 0 and variance 1. (b) Y = 9.0 + 2.0Z + Z^2, where Z is a normal random variable with mean 0 and variance 1. What is the distribution of X? What is the distribution of Y?

Week 4

1. Define random variable X. (a) X = 0.1 + Z, where Z is a normal random variable with mean 0 and variance 1. (b) Y = 9.0 + 2.0Z + Z^2, where Z is a normal random variable with mean 0 and variance 1. What is the distribution of X? What is the distribution of Y?

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Assignment 6

1. Define random variable X. (a) X = 0.1 + Z, where Z is a normal random variable with mean 0 and variance 1. (b) Y = 9.0 + 2.0Z + Z^2, where Z is a normal random variable with mean 0 and variance 1. What is the distribution of X? What is the distribution of Y?