STA457H1: Time Series Analysis Assignment 3 - Question 9 Due data December 2, 2022

Student Name......ID number....

Instructions: Show your answers in details.

Q9 (2 points): Generate n = 100 observations from the three models ARMA(0, 1), ARMA(1, 0), and ARMA(1, 1). Use the same parameters that are given in Question 1, parts 3, 1, and 5 respectively.

- 1. Compute the sample ACF for each model and compare it to the theoretical values.
- 2. Compute the sample PACF for each of the generated series and compare it to the theoretical values.