**Homework 3**

Week 7: Hypothesis testing **(Word Count: 1000 Maximum)**

1. Hypothesis
   1. What is the difference between hypothesis and statistical hypothesis?
   2. Identify elements of hypothesis testing.
   3. Outline the steps for hypothesis testing.
2. Approaches of hypothesis testing.
   1. Explain how the comparison of test statistic and critical value tests a hypothesis.
   2. Explain how the comparison of area associated with the test statistic (z-score) to level of significance, 𝝰 tests a hypothesis.