

Statistical Assignment 1

Answer the following questions. Justify your answers.

1. Define: Sample distribution

2. Define: Sampling distribution

3. Describe the sampling distribution of the mean

4. What statistic is relevant to the Central Limit Theorem?
5. What is the Standard Error and how is it related to the standard deviation?

6. Define the Central Limit Theory. There are multiple elements so be careful here. Consider the following:
 - The population from which the sample is drawn.
 - The shape of the sampling distribution of the relevant statistic.
 - The size of the sample.