

DATA SCIENCE ASSIGNMENT

Day - 18:

- 1. What does sampling variation refer to in the context of statistical sampling?**
- 2. What does the Central Limit Theorem state about the distribution of sample means?**
- 3. What does a 95% confidence interval represent?**
- 4. How do you calculate a Confidence Interval for the Mean?**
- 5. A researcher took a sample of 30 students' test scores with an average score of 85 and a standard deviation of 5. What is the 95% confidence interval for the test scores?**