

PSYC 7710 Lab

Lab 11 Activity

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Directions:

- A. Answer the following questions and save the code you used in an R script.
- B. For each question, use the **iris** dataset in base R to name the appropriate statistical test, apply the model as both a traditional test and a linear model, ensure equivalence of the two statistical models, and plot the results as a linear model.
- C. You have until the end of lab to complete.

Questions:

- 1. Are there differences between the means of **Petal.Width** for any of the three **Species**?
- 2. Is **Sepal.Width** for the **Species** *virginica* less than 3 cm?
- 3. Is there a difference between the means of **Petal.Length** for the **Species** *versicolor* and *virginica*?
- 4. Across all the flowers, are the petals shorter than the sepals?