

## New Statistics Short Course

### Exercise 1: Fisher vs Neyman-Pearson Hypothesis Testing

Dataset: ex1\_fisher\_neyman\_pearson.csv

Use  $\alpha = .05$  for all questions

#### Question 1

Using Fisher's approach, determine if males and females differ in math ability. What is the important conclusion?

#### Question 2

Using the Neyman-Pearson approach, determine if males and females differ in math ability. Include a power analysis. What is the important conclusion?