

Week 5 in-class exercise

- 1) Break up into four small groups of equal size.
- 2) Download the `zebra.finch.csv` data set.
- 3) Each group should work together to decide how to complete their assigned problem using R.
 1. Make a plot that visualizes the raw data. Calculate the 95% confidence interval for the number of offspring that both males and females produce using the approach from section 11.7. Write a sentence describing whether the data meet the assumptions of this method.
 2. Try transforming this dataset to make it more normal. Plot a comparison of the raw and transformed data. Write a sentence describing your interpretation of your result.
 3. Determine whether males have a lower mean offspring number than females. Compare your result to a simple t-test.
 4. Determine whether males and females have the significantly different variance. Compare your result to a Levine's test.
- 4) Present your work to the class.