Week 5 in-class exercise
1) Break up into four small groups of equal size.
2) Download the zebra.finch.csv data set from the course website.
3) Each group should work together to decide how to complete their assigned problem using R.

Problem 1. Make a single plot that visualizes the raw data. Calculate the 95% confidence interval for the number of offspring that both males and females produce using the output from `t.test`. Describe the distribution of the data?

Problem 2. Try transforming this dataset to make it more normal. Plot a comparison of the raw and transformed data. Should you transform this data?

Problem 3. Determine whether males have a lower mean offspring number than females. Do this with a T-test and a permutation test.

Problem 4. Determine whether males and females have the significantly different variance. Do this with a permutation test and compare to a Levine's test.

Present your work to the class.