

Name: \_\_\_\_\_

LA Initials:

## BIOL 275 Lab 3 Importing Data

### CSV Files and the Project Environment

1. Give the full path of all CSV files in the project. Include the double quotes. Example: "data/example-data.csv"

### West Nile Virus Dataset

2. Identify the data type for each variable: nominal, ordinal, continuous, or numerical discrete.

3. What value represents a missing value (no data) in this dataset?

4. How many observations are there in the dataset?

### Drug Efficacy Trial Dataset

5. Which line contains the variable names?

6. How many lines of non-data before the first row of data? (should be one less than the previous answer).

7. How many rows and columns are in the correctly-imported trial\_data tibble?

8. What data type does it show for the variable AVAL? What data type should it be based on what the variable represents?

9. How do the NA values in wnv\_data differ from the NR values you see in trial\_data when the file is first read?

10. What data type is AVAL after setting na = "NR" during import?

11. Which variables in the dataset, if any, should be treated as unordered factors? Which should be treated as ordered factors?

### Practice: Bird Point Count Dataset

12. How many rows should you skip?

13. Which column contains missing values, and what text represents a missing value?

14. Which variables should be converted to nominal categorical variables? ordinal categorical variables?

15. Print the final bird dataset in the console. Have an LA initial your worksheet after review.