

Name:

**Instructions:** Instructor will randomly select one copy of your worksheets from your group at the end of the lab. Make sure to answer questions completely and clearly, fully indicating your reasoning/thoughts (often writing in complete sentences is helpful). I expect the responses to have no typos and minimal grammatical error. You are allowed and encouraged to discuss questions with your labmates.

**B1.** Give the question posed by your group, followed by the null and alternative hypotheses.

**Question:**

**Null Hypothesis:**

**Alternative Hypothesis:**

**B2.** Fill out the following table, making sure to add a title and enter labels for the two data types you compared in the first row, after 'Summary Statistics'. Round to three digits after the decimal if needed, and use scientific notation if very small number.

**Table:**

Summary Statistics			Statistical Values	
Mean			t-value	
Standard Deviation			Degrees of freedom	
Count			p-value	

**B3.** In one sentence, describe what is the meaning of this probability with regards to your hypotheses.

**B4.** In one sentence, communicate the answer to your research question, making sure to indicate the numerical value in parentheses at the end of the sentence.

**Take note of the Paper Writeup assignment** for the NGS labs that will be due in Week 5. More detailed instructions for Paper1 will be shared, but the basic gist is that you will write a Results section describing your findings from Part B of the NGS2 lab. Stay tuned!