**Step 1: Figures and Tables**

Table 1

What is being measured in Table 1?

What did the authors observe?

Figure 1

What are the independent and dependent variables in Figure 1?

What did the authors observe?

What methods do you think they might have used to get this data?

Table 2

What methods do you think the authors used to collect the data for this

table?

Table 3

What do the authors report in Table 3?

If you had the raw data used to create this table, what 3 RStudio code commands would you use to get the values reported in Table 3 for each variable? Write out or type out the code below.

Figure 2

What is being measured in Figure 2?

What did the authors find that Figure 2 illustrates?

Why might the authors have felt this figure was important to include?

**Step 2: Skim through the paper, highlight confusing areas**

**Step 3:**

Significant prior knowledge/Current ignorance

What did researchers know before the experiment?

What was unknown before the experiment that researchers wanted to explore?

Main hypothesis and alternatives

What are three null hypotheses in this paper and their corresponding alternative hypotheses?

Assumptions

What assumptions did the authors make?

Tests of the hypotheses

How were the canopy health classes (1-5) measured?

What tests did researchers use to look for significance?

Did researcher’s run any corrections?

Change in Reality

What do we know from this research that wasn’t known before?

The Next Step

What do the authors suggest we do next?