

## 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?