Name:_____ Date:_____

# LAB 1D: Zooming Through Data
## *Response Sheet*

Directions: Record your responses to the lab questions in the spaces provided.

### Data with Clarity

### Another plotting function

**(1) Write and run code for creating a `dotPlot` of the amount of `sugar` in our `food` data.**

### More options

**(2) Write and run the code for a more accurate `dotPlot` by using the `nint` option.**

### Splitting datasets

**(3) Write and run code splitting the `dotPlot` displaying the distribution of grams of `sugar` in two, by faceting on our observations' `salty_sweet` variable.**

**(4) Describe how `R` decides which observations go into the left or right plot.**

**(5) What does each *dot* in the plot represent?**

### Altering the layout

### Subsetting

### The filter function

**(6) `View` `food_salty` and write down the number of observations in it.**

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### So what's really going on?

### 3 parts of defining rules

### More on ==

**(7) What do the values `TRUE` and `FALSE` tell us about how our *rule* applies to the first six snacks in our data? Which of the first six observations were `Salty`?**

### Saving values

### Saving our subset

**(8) Write and run code using `food_salty` to make a `dotPlot` of the `sodium` in our `Salty` snacks.**

### Including more filters

### Put it all together

**(9) Create a `dotPlot` and answer the question: About how much `sugar` does the typical sweet snack have?**

**(10) Create a `dotPlot` and answer the question: How does the typical amount of `sugar` compare when `healthy_level < 3` and when `healthy_level > 3`?**