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

- **Use the `dotPlot()` function to create a `dotPlot` of the amount of `sugar` in our `food` data.**

More options

- **Create a more accurate `dotPlot` by including the `nint` option.**

Splitting data sets

- **Split the `dotPlot` displaying the grams of sugar in two, by faceting on our observations' `salty_sweet` variable.**

  - **Describe how R decides which observations go into the left or right plot.**

  - **What does each *dot* in the plot represent?**

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Altering the layout

Subsetting

The filter function

- **View `food_salty` and write down the number of observations in it. Then use the subset data to make a dotPlot of the `sodium` in our `Salty` snacks.**

So what's really going on?

3 parts of defining rules

More on ==

- **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

Including more filters

Put it all together

- **Use an appropriate `dotPlot` to answer each of the following questions:**
  - **About how much `sugar` does the typical sweet snack have?**
  - **How does the typical amount of `sugar` compare when `healthy_level < 3` and when `healthy_level > 3`?**