Name:_____   Date:_____

Lab 1E: What's the Relationship?
Response Sheet

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

Where's the variables?

- How many variables were used to create this plot? Which variables were used and how were they used?

Scatterplots in action

- Do snacks that have more `calories` also have more `total_fat`? Why do you think that?

- What happens if you swap the `calories` and `total_fat` variables in your code? Does the relationship between the variables change?

- Does the relationship between `calories` and `total_fat` change when the snack is either `Salty` or `Sweet`? Write down the code you used to answer this question.

4-variable scatterplots

- Create a scatterplot that uses these 4 variables: `sodium, sugar, healthy_level, salty_sweet`.

Lab 1E: What's the Relationship?
Response Sheet

Multiple facets

• How does the `healthy_level` of a `Salty` or `Sweet` snack impact the number of `calories` in the snack?

On your own

• Do healthier snacks `cost` more or less than less healthy snacks?

• What other variables seem to be related to the `cost` of a snack? Describe their relationships.