

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.

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## **Lab 1E: What's the Relationship?**

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#### **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.