Lab 1E - What's the Relationship?

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

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

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.

Create a scatterplot that uses these 4 variables: sodium, sugar, healthy\_level, salty\_sweet.

How does the healthy\_level of a Salty or Sweet snack impact the number of calories in the snack?.

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.