Name:	Date:
LAB 1E: What's the Relations Response Sheet	hip?
Directions: Record your responses to the lab questions in the space	s provided.
Finding patterns in data.	
Where are the variables?	
(1) How many variables were used to create this plot? Which vused?	ariables were used and how were they
Multiple variable plots	
Scatterplots	
Creating scatterplots	
(2) Fill in the blanks to create a scatterplot with sodium on t	he y-axis and sugar on the x-axis.
xyplot( ~, data = food)	,
Scatterplots in action	
(3) Do snacks that have more protein also have more calorid	es? Why do you think that?
(4) What happens if you swap the protein and calories variately relationship between the variables change?	ables in your code? Does the

(5) Does the relationship between protein and calories change when the snack is either Salty or Sweet? Write down the code you used to answer this question.

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4-variable scatterplots	
(6) Write and run code creating a scatterplot that salty_sweet.	uses these 4 variables: sodium, sugar, cost,
Multiple facets	
(7) Write and run code creating a dotPlot or his using: healthy_level + salty_sweet	togram of the calories variable, but facet the data
(8) How does the healthy_level of a Salty or S snack?	Sweet snack impact the number of calories in the
On your own	
(9) Do healthier snacks have more or less ingred	ients than less healthy snacks?

(10) What other variables seem to be related to the number of ingredients of a snack? Describe

their relationships.