

Your Name: \_\_\_\_\_

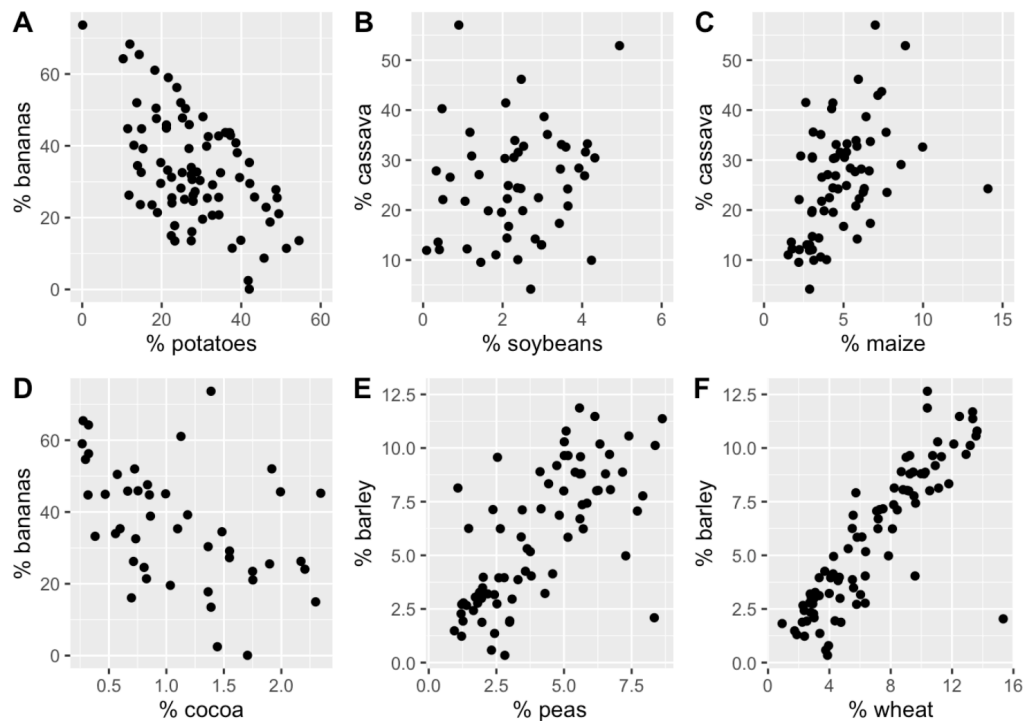
Names of people you worked with: \_\_\_\_\_

**Instructions:** Work on this problem in class with your group (if you are attending class synchronously) or out of class (hopefully with a person or two! if you are attending class asynchronously). The problem should be done on a piece of paper with a pencil or on some kind of tablet. The problem should **not** be typed up or done in LaTeX.

Work for a *maximum* of 15 minutes on the problem (regardless of what time you are working). *Do not* come back to the problem to “fix it up” or “finish it.” Be sure to write down the names of the people you worked with during class (or outside of class).

Take a picture of your work and use a scanning app to create a pdf (or create a pdf directly from your tablet). Upload your work to Gradescope (via Sakai) within 24 hours of class.

**Task:** Consider a handful of crop types taken from Our World in Data as part of Tidy Tuesday. Each point in each plot represents a different country. The x and y variables represent the proportion of total yield in the last 50 years which is due to that crop type. Order the six scatterplots from strongest negative to strongest positive linear relationship.



**Solution:**  $A \rightarrow D \rightarrow B \rightarrow C \rightarrow E \rightarrow F$

Graph	x-variable	y-variable	correlation
A	potatoes	bananas	-0.54
B	soybeans	cassava	0.16
C	maize	cassava	0.46
D	cocoa	bananas	-0.44
E	peas	barley	0.69
F	wheat	barley	0.85