Get the picture?

Directions: Record your responses to the lab questions in the spaces provided.
Where'd we leave off
Variable Types • Is height a numerical or categorical variable? Why?
Is gender a numerical or categorical variable? Why?
List either the different categories or what you think the measured units are for height and gender.
Which is which? • Write down 3 variables that you think are categorical variables and why.
Write down 3 variables that you think are numerical variables and why.
Data Structures • List all the types of info the str() function outputs

•	Were you able to correctly guess which variables were categorical and numeric? Which ones did you mis-label?
Visu •	nalizing data Which function, either bargraph or histogram is better at visualizing categorical variables? Which is better at visualizing numerical variables?
We I	have options Make a graph that shows the distribution of people's weight.
	 Describe the distribution of weight. Make sure to describe the shape, center and spread of the distribution.
•	How did including the nint = 3 change the histogram?
•	Does setting nint = 3 impact how you would describe the shape, center and spread?
•	Try other values for nint. What value produced the best graph? Why?

How	often do people use sunscreen?
•	What does the y-axis represent?
•	What does the x-axis tell us?
•	Would you say that most people never texted while driving? What does the work most mean?
•	Approximately what percent of the people texted while driving for 20 or more days? (Hint: There's 13677 students in our data.)
Does •	s texting and driving differ by gender? Write a sentence explaining how boys and girls differ when it comes to texting while driving.
•	Would you say that most girls never text and drive? Would you say that most boys never text and drive?
•	How did including the groups argument in your code change the graph?

Do I	males/females have similar heights? Can you use this graphic to answer the question at the top of the slide? Why or why not?
•	Is grouping numeric values, such as heights, as helpful as grouping categorical variables, such as texting & driving?
Do I	males/females have similar heights? Why does this work for bargraphs but not for histograms?
•	Do you think males & females have similar heights? Use the plot you create to justify your answer.
•	Just like we did for the histogram, is it possible to create a <i>split</i> bargraph? Try to create a bargraph of drive_text that's split by gender to find out.
On y	your own: What other factors do you think might affect how often people text and drive?

Choose one variable from the cdc data, make a graph, and use the graph to describe how drive_text use differs with this variable.