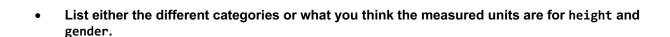
Name	Date
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LAB 1B: Get the Picture? Response Sheet

Dire	ctions: Record your responses to the lab questions in the spaces provided.	
Whe	re'd we leave off	
Vari	able Types Is height a numerical or categorical variable? Why?	



Which is which?

• Write down 3 variables that you think are categorical variables and why.

Is gender a numerical or categorical variable? 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

Name	Date

	LAB 1B: Get the Picture? Response Sheet
•	Were you able to correctly guess which variables were categorical and numeric? Which ones did you mis-label?
Visu	ualizing data Which function, either bargraph or histogram is better at visualizing categorical variables? Which is better at visualizing numerical variables?
We	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?

Name	Date

LAR 1R: Got the Dicture?

	Response Sheet
How	often do people text & drive?
•	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?

Name	Date
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LAB 1B: Get the Picture?

Do	males/females	have	similar	haights?
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	Response Sheet
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 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 :	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.