

Rubric For Project

Analyzing Data from the Data Gathered via Google Forms

I. Construct a plot/graph for any **four** of the six types:

- | | |
|----------------------------|------------------------|
| 1. <u>bar</u> chart | 4. pie chart |
| 2. <u>dot</u> plot | 5. histogram |
| 3. <u>stem</u> & leaf plot | 6. box & whiskers plot |

Each plot/graph must use a different data set.

(The data from students will be delivered to you by your Block Day.)

- At least one categorical, and two quantitative – quantitative has to include calculations for mean, median, mode, and range.

II. Comment on the important characteristics of each data display.

- These comments must include at least a three-sentence analysis, including at least one comparative statement. Grammar & mechanics matter!

III. The graphs/plots can be computer generated in whole or in part. They can be on regular 8½ x 11 sheets of paper; put one plot/graph with its comments on one side of one page. You may use both sides, though, for two graphs/plots. Or you can put them on larger poster board(s), if you want. Pretty is good. Pretty can be displayed....

Rubric For Project

Grading Rubric:

Data Submission	5 points _____
Accuracy (data/plot)	16 points _____
Content (comments)	12 points _____
Mechanics (writing)	12 points _____
Neatness (not size)	5 points _____

Total: _____

This sheet must be turned in with your work.

Be sure your name is on this page as well as on the submittal(s).

Late projects are unacceptable; this is bonus. "On time, in full."

Complete the Box and Whisker Plot and Questions

Two Way Tables

	\$15,000 or less	More than \$15,000	Total
Domestic	15	8	
Foreign	11	12	

Answer the following Questions:

1. How many domestic cars were sold? 23
2. How many foreign cars were sold? 23
3. How many cars were sold for \$15,000 or less? 26
4. How many cars were sold for more than \$15,000? 20

Two Way Tables

Notation: $P(A|B)$ means...

...Probability that A happens
given B has taken place

	\$15,000 or less	More than \$15,000
Domestic	15	8
Foreign	11	12

Answer the following Questions:

1. Find $P(\text{domestic} | \$15,000 \text{ or less})$

First-Find the sample space (this is your denominator) 26

Second-How many are domestic out of your sample space? 15

2. Find $P(\text{more than } \$15,000 | \text{foreign})$

3. Find $P(\text{foreign} | \text{more than } \$15,000)$

$$12/20$$

$$15/26$$

$$12/23$$

Homework

Pg 661 #4-12

Remember: Data Collection is due
Tomorrow by 2:30!

	LH parents	RH parents
LH	0	2
RH	4	

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