

Quiz 1

⚠ This is a preview of the published version of the quiz

Started: Jan 20 at 3:41pm

Quiz Instructions



Question 1 1 pts

(Objective 1a: Types of Variables)

Classify the type of variable described below as *Quantitative* or *Qualitative*, as well as the subcategory *Continuous*, *Discrete*, *Nominal* or *Ordinal*.

- The number of volunteers that arrive for a charity event.

☐ [Select] ▼

☐ [Select] ▼

- A response to a survey ranging from Strongly Agree to Strongly Disagree.

☐ [Select] ▼

☐ [Select] ▼

- The average daily caloric intake of a herd of bison.

☐ [Select] ▼

☐ [Select] ▼

- The weight of an adult male kangaroo in kg.

☐ [Select] ▼

☐ [Select] ▼

- The number of pizzas a pizzeria will sell next week.

o [Select] ▼

o [Select] ▼



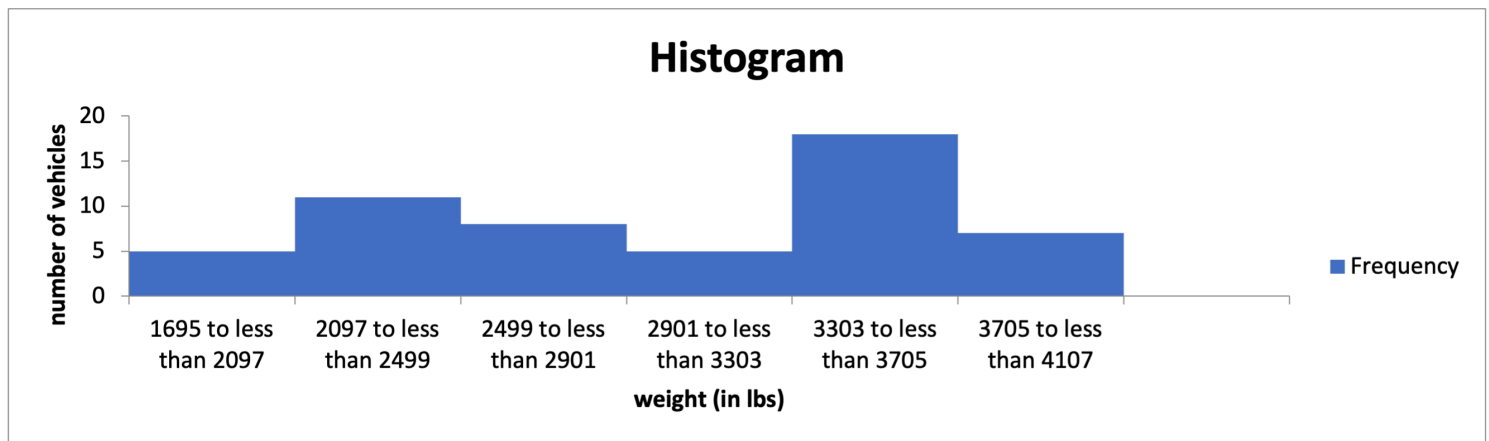
Question 2 1 pts

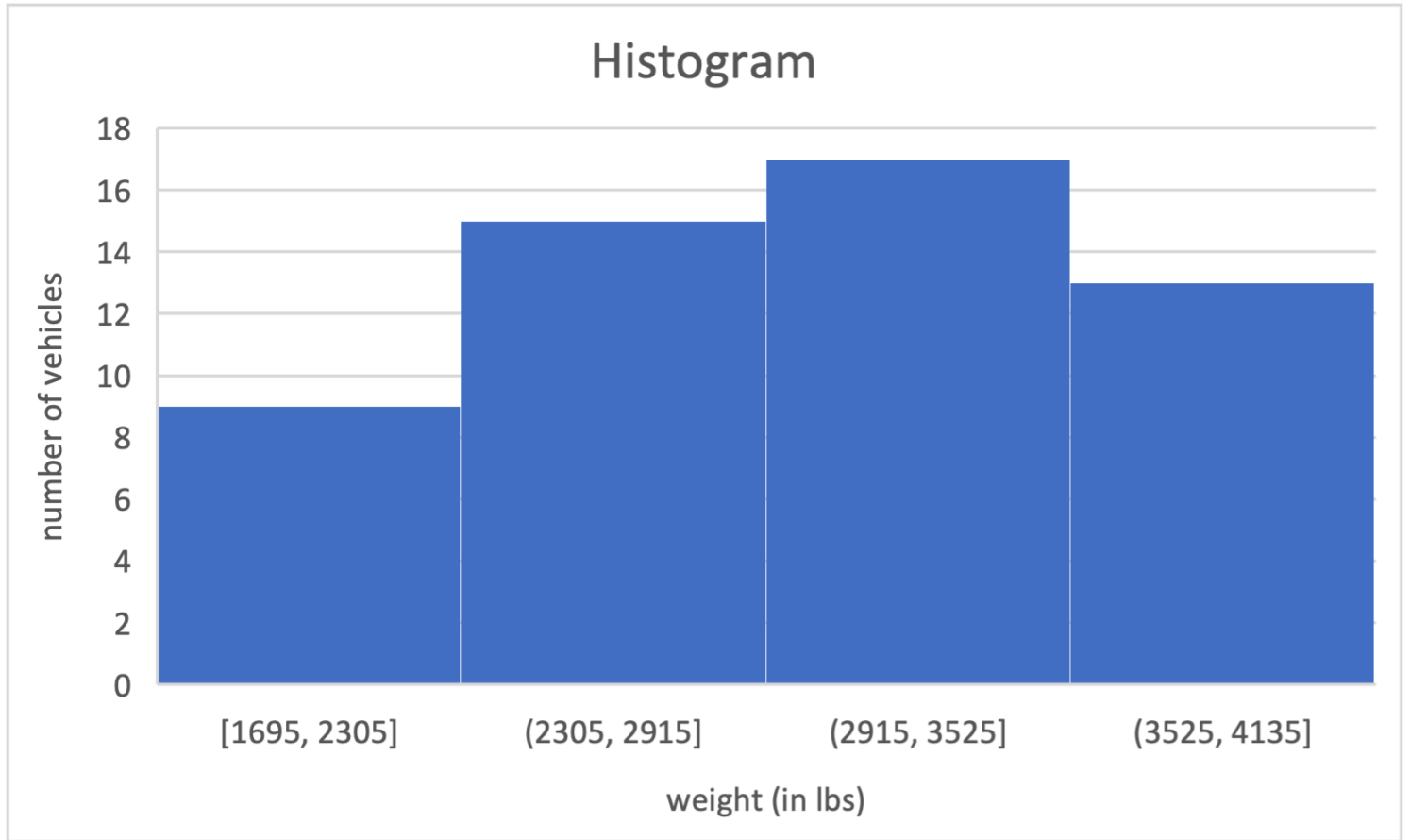
(Objective 1b: Visualizing Data - Histograms)

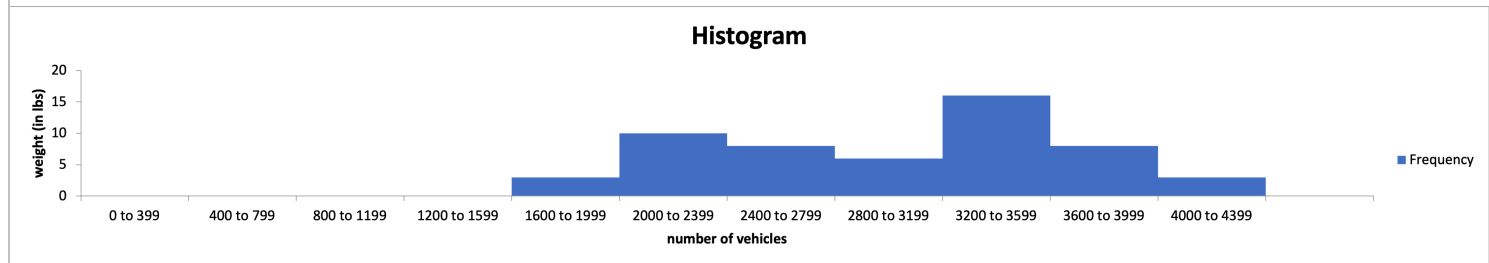
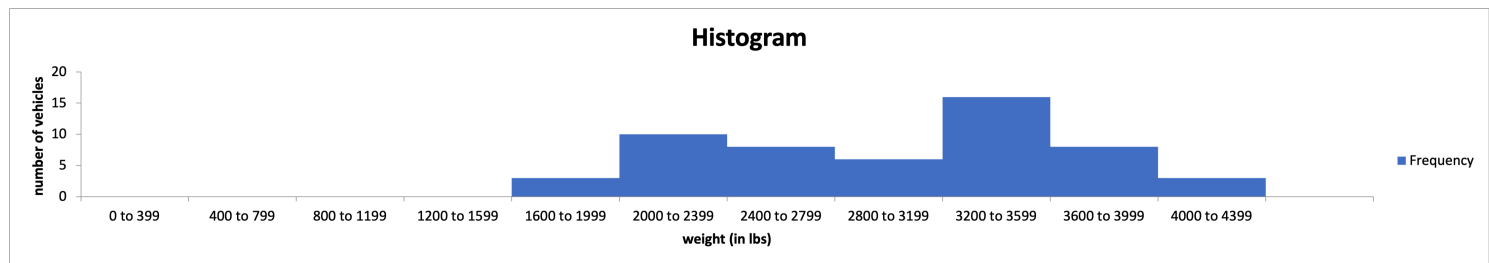
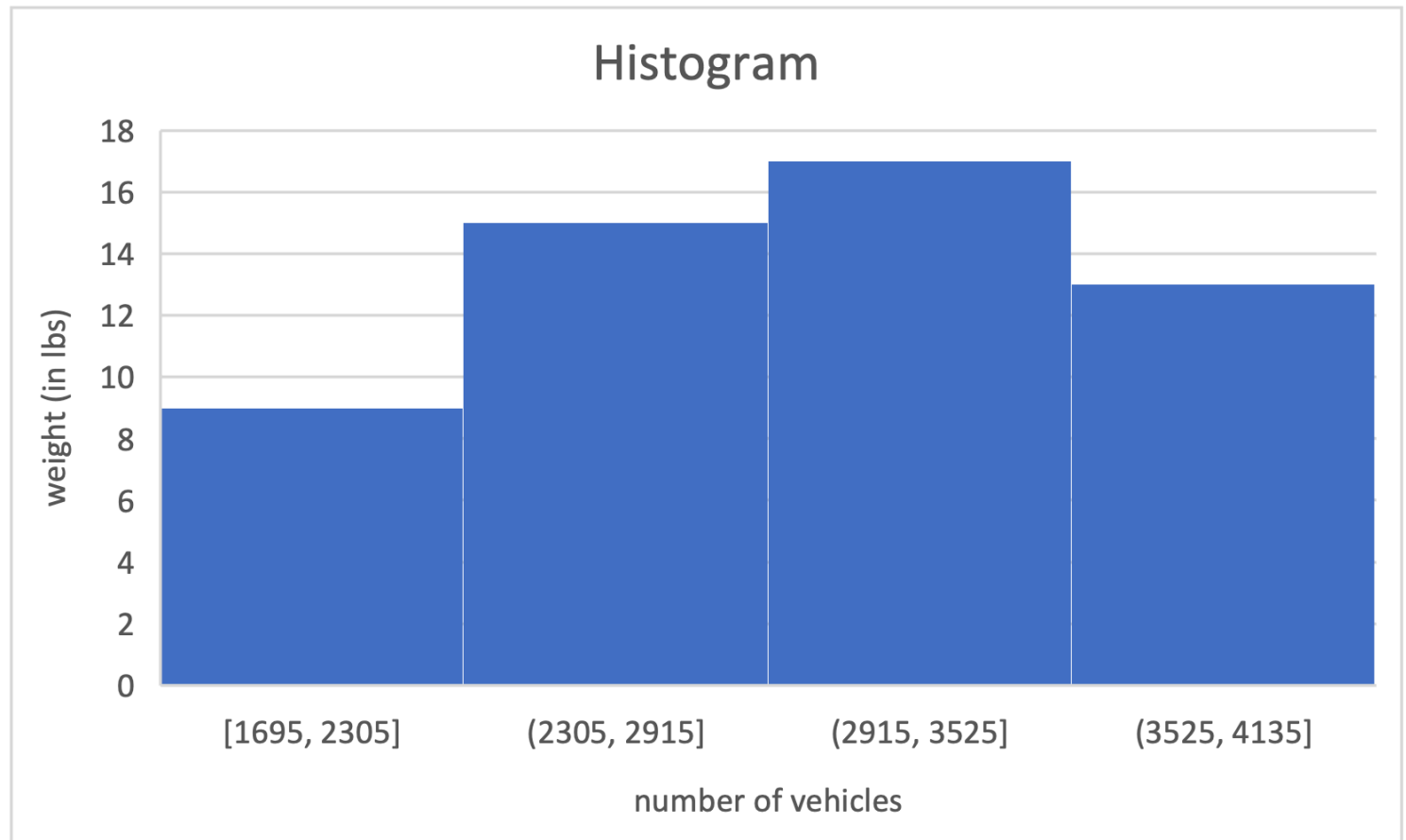
We want to create a histogram using the Data Analysis add-in in Excel.

If we use the $2^k \geq n$ Rule to find the number of bins, which of the following would be a histogram for "weight (in lbs)" in the Excel file below?

[cars93.xlsx \(https://canvas.uccs.edu/courses/162113/files/10822649?wrap=1\)](https://canvas.uccs.edu/courses/162113/files/10822649?wrap=1)







cars_weight_option6.png



Question 3 1 pts

(Objective 1c: Visualizing Data - Bar Charts)

The Excel file below includes data about cars released in 1993. Use the Excel file to create a bar chart for "drive_train". (<https://canvas.uccs.edu/courses/162113/files/10822636?wrap=1>)

The different options for drive train are below:

- front
- rear
- 4WD

(One way to do this is to first create a frequency distribution using the "COUNTIF" function and use that to create your bar chart.)

Do all of your work in the attached file. Then save and upload it back here.

[cars93.xlsx](https://canvas.uccs.edu/courses/162113/files/10822649?wrap=1) (<https://canvas.uccs.edu/courses/162113/files/10822649?wrap=1>) [↓](https://canvas.uccs.edu/courses/162113/files/10822649/download?download_frd=1)
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