

Response Summary:

Mine Worksheet

Goal: to identify patterns, extreme and subtle features about the data

Objectives: Students will identify basic descriptors for the data, and categorize the data according to the specifications from the Parse Worksheet

Outcomes: Three (3) specific questions to be answered using the data

1. Student Information *

First Name	Jack
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Course (e.g. CGT 270-001)	CGT 270-009
Term (e.g. F2019)	F2021

2. Email Address *

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3. Visualization Assignment *

- Training Data

Analyze

4. Basic Descriptors: for each data component from the Parse Worksheet, identify basic descriptors (basic statistics). Explain *

Location: String - Mode, Median
Number of household: Integer - Mode, Median
Percentage of households with pets: Float -Mode, Median, Average
Number of pet households: Integer - Mode, Median
Percentage of Dog Owners: Float -Mode, Median, Average
Dog Owning Households: Integer - Mode, Median
Mean Number Dog/Cat: Float -Mode, Median, Average
Dog Population: Integer - Mode, Median
Percentage of Cat owners: Float -Mode, Median, Average
Cat owning households: Integer - Mode, Median
Cat Population: Integer - Mode, Median

5. Categorize: consider what is similar and what is different? Categorize the data. Are the variables categorical (normal, ordinal, or rank). Are they quantitative (discrete or continuous)? Show categories. Explain. *

Ordinal: States

Interval: Number of household, Number of pet households, Dog Owning Households, Dog Population, Cat owning households, Cat Population

Ratio: Percentage of households with pets, Percentage of Dog Owners, Mean Number Dog/Cat, Percentage of Cat owners.

6. Temporal: is the data streaming data? How is it stored (all at one time, over several years in years, days, minutes, seconds)? Explain. *

The data is temporal. It only shows the dog and cat population at the time the table was created. The data is not changing over time.

7. Range and Distribution: what is the distribution of the data? Few values, small size, evenly spread, sparse or dense? Explain. *

Data set is small with 49 Rows. The data is evenly spread through dogs and cat ownership.

Evaluate

8. Questions and Assumptions: list at least 3 questions you plan to answer with the data or list the questions if they were provided. Must be complete sentences and end in a question mark. What assumptions are you making? *

Question 1	What is more popular in the United States, cats or dogs?
Question 2	Is there a difference in cat and dog owner ship on the east coast vs the west coast?
Question 3	How much more popular is the dog or cat in the United States?
Assumptions	I am assuming that dogs are more popular and that it does not matter whether they are on the east or west coast.