

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 *

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Term (e.g. F2019)	F2021

2. Email Address *

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3. Visualization Assignment *

- Lab Assignment

Analyze

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

Variable (Text):

Name, Ability 1, Ability 2, Ability Hidden,

Variables (numbers):

Height, Weight, HP, ATK, DEF, SP ATK, SP DEF, SPD, TOTAL, Capture Rate, Base Egg Hatch Cycle, Base Egg Hatch Steps, Base EXP, Effort HP, Effort ATK, Effort DEF, Effort SP ATK, Effort SP DEF, Effort Speed, Effort Total

Basic Descriptors:

Height: Max: 14.5, Min: 0.1, Avg: 1.259221

Weight: Max: 999.9, Min: 0.1, Avg: 71.02947

HP: Max: 255, Min: 1, Avg: 69.92395

ATK: Max: 190, Min: 5, Avg: 80.28707

DEF: Max: 230, Min: 5, Avg: 74.38593

SP ATK: Max: 194, Min: 10, Average: 72.79183

SP DEF: Max: 230, Min: 29, Average: 72.01616

SPD: Max: 200, Min: 5, Average: 69.65209

Total: Max: 780, Min: 175, Average: 438.057

Capture Rate: Max: 255, Min 3, Average: 93.88023

Base Egg Hatch Cycle: Max: 120, Min: 5, Average: 31.18821

Base Egg Hatch Steps: Max: 30720, Min: 1280, Avg: 7984.183

Base EXP: Max: 635, Min: 36, Average: 161.0903

Effort HP: Max: 3, Min: 0, Avg: 0.225285

Effort ATK: Max: 3, Min: 0, Avg: 0.509506

Effort DEF: Max: 3, Min: 0, Avg: 0.269011

Effort SP ATK: Max: 3, Min: 0, Avg: 0.373574

Effort SP DEF: Max: 3, Min: 0, Avg: 0.211027

Effort SPD: Max: 3, Min: 0, Avg: 0.323194

Effort Total: Max: 3, Min: 1, Avg: 1.911597

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. *

Nominal:

Type1, Type2, Color, Egg Group1, Egg Group2,

These are all nominal due to there being a specific category of values for each.

Ordinal:

Number, Code, Serial

All of these numbers have somewhat of an order.

Interval:

Height, Weight, HP, ATK, DEF, SP ATK, SP DEF, SPD, TOTAL, Capture Rate, Base Egg Hatch Cycle, Base Egg Hatch Steps, Base EXP, Effort HP, Effort ATK, Effort DEF, Effort SP ATK, Effort SP DEF, Effort Speed, Effort Total

These numbers have no specific order.

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 not influenced by time periods, however, it is restricted based on whatever the latest pokemon generation is. currently, the set is up to date however when the next pokemon generation gets introduced, then the set becomes outdated.

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

There are many values and they all mostly have a value and there aren't that many that are missing from the sets. There are a few text values that have some missing values due to certain conditions.

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 the average steps it takes to hatch an egg?
Question 2	What is the max amount of stats a pokemon can have?
Question 3	How many pokemon are represented in this set?
Assumptions	There is plenty of information regarding the eggs, and the average amount of steps is around 8000. The maximum value varies with each pokemon however, the highest value is 780. Due to this list being up to date, the pokemon represented in this set is 898. The assumptions that I make for the people asking these questions are the people who want to know more about the trivia for the game.
