

## 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 \*

<b>First Name</b>	Senny
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<b>Course</b> (e.g. CGT 270-001)	CGT 270
<b>Term</b> (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 \*

Variables (Text):

Name, Type

Variables (Numbers):

Pokemon Number, HP, ATK, DEF, SP ATK, SP DEF, SPD

Basic Descriptors:

HP: Max: 255, Min: 1, Avg: 69.5257

ATK: Max: 190, Min: 5, Avg: 78.8159

DEF: Max: 230, Min: 5, Avg: 74.3699

SP ATK: Max: 194, Min: 10, Avg: 72.619

SP DEF: Max: 230, Min: 20, Avg: 71.7158

SPD: Max: 180, Min: 5, Avg: 68.5865

**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: Type

This is nominal due to there being a finite number of typings for all pokemon

Ordinal: Pokemon Number

This is ordinal due to the fact that the pokemon numbers go in order.

Interval: HP, ATK, DEF, SP ATK, SP DEF, SPD

These variables are ordinal due to the fact that they are all numbers in no particular 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The data is not temporal as the data does not change over time, however, the data is a bit outdated, as the pokemon and the information it gives is about 2 generations old.

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

The distribution of the data had been evenly spread however there is again a good amount of missing values if you wanted the most up-to-date data set for pokemon. The set is evenly spread as there is not a variable with more or fewer variables when compared to the others.

## 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? \***

<b>Question 1</b>	What is the maximum value of HP for Pokemon?
<b>Question 2</b>	How many different types are among the Pokemon?
<b>Question 3</b>	What is the average Attack stat for Pokemon?
<b>Assumptions</b>	There are a set amount of types for pokemon. Stats do not seem to go past 255. There are pokemon with 1 hp The average attack stat is around 79, with various outliers.