

## 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>                   | Matthew   |
| <b>Last Name</b>                    | Gallagher |
| <b>Course</b><br>(e.g. CGT 270-001) | 270-009   |
| <b>Term</b><br>(e.g. F2019)         | F2021     |

### 2. Email Address \*

gallag80@purdue.edu

### 3. Visualization Assignment \*

- Lab Assignment

# Analyze

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

Id: Data Type: Integer: Basic Descriptors: Mean, Max, Min/Year: Integer: Basic Descriptors: Mean, Max, Min/Name: Data Type: Integer: Basic Descriptors: String Length/Position: Data Type: String: Basic Descriptors: String Length: Height Inches: Float: Basic Descriptors: Mean, Max, Min/ Weight: Integer: Basic Descriptors: Mean, Max, Min/ Arms: Data Type: Float: Basic Descriptors: Mean, Max, Min/ Hands: Float: Basic Descriptors: Mean, Max, Min/ Forty, Twenty, Ten, Shuttle Yard dash: Data Type: Float: Basic Descriptors: Mean, Max, Min/ Three Cone: Data Type: Float: Basic Descriptors: Mean, Max, Min/ Vertical: Data Type: Float: Basic Descriptors: Mean, Max, Min/ Broad: Data Type: Integer: Basic Descriptors: Mean, Max, Min/ Bench: Data Type: Integer: Basic Descriptors: Mean, Max, Min/ Round: Integer: Basic Descriptors: Mean, Max, Min/ College: data Type: String: Basic descriptors: String Length/Pick: Data Type: Integer: Basic Descriptors: Mean, Max, Min/ Pick Round and Total: Data Type: Integer: Basic Descriptors: Mean, Max, Min/ First and Last Name: Data Type: String: Basic Descriptors: String Length/ Height in inches: Data Type: Float: Basic Descriptors: Mean, Max, Min

**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. \***

Most of this data is float. This is the case because in the NFL combine, the numbers are very specific to separate players to make them stand out. The variables are ordinal because all the data is under one category with a header. The data is continuous because those numbers can change in the future.

**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 collected all in a couple of weeks because it is all collected during the NFL combine.

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

The distribution is evenly spread because there are players that are way ahead of the average player's stats and those players who didn't perform well and were well under the average.

## 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>  | Does height and weight affect how successful your combine is?                   |
| <b>Question 2</b>  | Is there a college that players are from that occurs more often than normal?    |
| <b>Question 3</b>  | Does arm length affect broad jump?  |
| <b>Assumptions</b> | I assume that players with better physical stats perform better in the combine. |

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