**Summary: Defining Data**

**Raw Data**

Raw data is data that has come from its source in its initial state and has not been analyzed or organized.

**Quantitative Data**

Quantitative data is numerical observations within a dataset.

**Examples**

A country's population, a person's height or a company's quarterly earnings.

**Qualitative Data**

Categorical data that cannot be measured objectively like observations of quantitative data.

**Examples**

Video comments, the make and model of a car or your closest friends' favorite color.

**Types of Data and their Sources**

|  |  |  |
| --- | --- | --- |
| **Structured** | **Semi-structured** | **Unstructured** |
| Data organized in rows and columns like tables. | Data that is not fully organized in a structure. | Data that is not organized in a structure. |
| Database Table and Excel spreadsheet. | Email and Json Files. | Images and videos |
| IoT sensors, surveys and user behavior analysis. | Social network graphs and photos for group dynamics. | Texts, images, videos and web server logs. |

This is a short summary of what I have learned in Defining Data Task.