**INFORMATION SHEET**

**DATA SOURCE:**

A complied dataset of several diamonds and their characteristics.

(/Users/nnamdi/Documents/Data project/diamonds.csv

)

**DATASET CHARACTERISTICS:**

|  |  |  |
| --- | --- | --- |
| Column Name | Data Types | Description |
| Number | Quantitative data | Numerical arrangement |
| Carat | Quantitative data | weight of the diamond |
| Cut | Ordinal data | Quality of the cut |
| Color | Ordinal data | Diamond color |
| Clarity | Ordinal data | a measurement of how clear the diamond is. |
| Depth | Quantitative data | Depth of diamond |
| Table | Quantitative data | Width of diamond |
| Price | Quantitative data | price in US dollars |
| “x”, ”y”, “z” latitude/longitude | Quantitative data | Depth, height, width |

**TASKS:**

* Which color is the most available?
* How size of diamond depends on clarity

**VISUALIZATION TECHNIQUES & LIBRARIES USED**

Used pandas to create a dataframe.

Using matplotlib: To solve task 2

Using bar plot: To solve task 1