**ADTA-5250: Large Data Visualization – Assignment 1**

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**Tableau Desktop installation**

1. I have downloaded the Tableau desktop software from tableau official website.
2. I have applied to get license key for accessing Tableau on my local using my student email address.
3. I received the key and I have followed the steps installed for mac version of Tableau.
4. Below is the screenshot for the reference of this question.

A screenshot of a computer

Description automatically generated

**Tableau Prep Installation** (Screenshot below)

1. From the same official site, I have also downloaded Tableau prep installation file and I then installed software on my local computer.

A screenshot of a computer

Description automatically generated

**Dataset:**

*City of Dallas Operating Budget (Operating\_Budget.csv)*

**Data Dictionary**

Below table defines the data dictionary of the data set I have chosen.

The data is as latest as September 2nd 2023.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Column** | **Description** | **Datatype** | **Data Format** | **Dimension/ Measure** | **Example** |
| **BFY** | Budget Fiscal Year | Text | YYYY | Dimension | 2023 |
| **FTYP** | Fund Type Abbreviation | Text | XXXX | Dimension | GNFD |
| **FUNDTYPE** | Fund Type | Text | XXXX | Dimension | General Fund |
| **APPR** | Annual Portfolio Performance review | Text | XXXX | Dimension | 0001DPD |
| **DEPARTMENT** | Name of the department | Text | XXXX | Dimension | Police Department GF |
| **SVC** | Service number | Number | X.XX | Measure | 1.23 |
| **SERVICE** | Service name | Text | XXXX | Dimension | Police Criminal Investigations |
| **OBJECTGROUP** | group of a | Text | XXXX | Dimension | Contractual & Other Services |
| **BUDCURR** | Current Budget | Number | NNNN | Measure | 9505798 |
| **ENCBFY** | Encumbrance -  commitment of funds till date | Number | NNNN.NN | Measure | 1592800.53 |
| **EXPBFY** | Expense -  Total amount spent till date | Number | NNNN.NN | Measure | 7408082.77 |
| **ENCEXP** | Encumbrance + Expense  - Total Amount of funds till date | Number | NNNN.NN | Measure | 9000883.3 |