**Tableau Introduction-Assignment 1**

1. “twbx” is a bundled workbook for Tableau. The original .twb file is bundled with the data source in this package. It can be compared to a compressed file. It contains all the information and instructions required to operate in Tableau. Since the data is contained within the .twbx file itself, one can still access and use it without a network or Internet connection. The .twb file and the data source can be separated from the .twbx file by unpacking it. Pick up any dataset of your choice, create a simple bar chart using the fields of the dataset and save the visualization created in .twbx format. Analyze the properties of the newly created twbx file and segregate the .twbx file into .twb and data source.

Ans: This is Tableau public link, just copy and search in crome: <https://public.tableau.com/views/BarChart_16785415854390/BarChart?:language=en-US&:display_count=n&:origin=viz_share_link>

1. Briefly explain the utility of the Tableau bookmark feature and create a simple bookmark file. Observe the format of the bookmark file and mention the location in which it is saved.

Ans: Tableau bookmark feature allows you to save a specific view of a dashboard or worksheet so that you can quickly and easily return to it later. Bookmarks capture the current state of a visualization, including filter selections, sort order, and zoom level, and can be accessed with a single click or keystroke. The bookmark file has a .tbm extension and contains information about the saved views, including the filter selections and zoom levels. the bookmark file is saved in the following location: C:\Users{username}\Documents\My Tableau Repository\Bookmarks.

1. Using the “Sample-Superstore.xls” file, create a scatter and a bubble plot between different measures in the dataset and observe the type of correlation (negative or positive or no correlation) between them. Draw a comparison between the bubble chart and the scatter plot.

Ans: Link:- [https://public.tableau.com/views/ScatterPlotBubblePlot/ScatterPlot?:language=en- US&:display\_count=n&:origin=viz\_share\_link](https://public.tableau.com/views/ScatterPlotBubblePlot/ScatterPlot?:language=en-%20%20%20%20US&:display_count=n&:origin=viz_share_link)

1. Consider that you are an HR representative for a multinational company. The staff database is under your control. There are certain details regarding employees that you must never divulge. However, there are many bits of information about employee abilities and skills that may be shared. Using the data extract option in tableau, build a packaged worksheet and use the option "Hide All Unused Fields" in the data extract feature to hide all the fields- dimensions and measures which you haven’t used in the visualization and do not wish to share with employees. Feel free to use any HR dataset or you may even create a dummy data for illustration purpose.

Ans: <https://public.tableau.com/views/HR_16785689173860/HR?:language=enUS&:display_count=n&:origin=viz_share_link>

1. Discuss the differences between the “Measure Names” and “Measure Values” pre-defined features in Tableau. Using the “PowerStore\_USA” dataset available in your iNeuron resources, create a visualization using “Measure Names” and “Measure Values” and mention the fields that fall into each category- “Measure Names” and “Measure Values”.

Ans: Measure Name is just name of numerical value column whereas Measure values are aggregated value of numerical value column.

Link of visualization: <https://public.tableau.com/views/MeasureNameMeasureValue_16785563169850/MeasureNameMeasureValue?:language=en-US&:display_count=n&:origin=viz_share_link>