**Tableau- Assignment 4**

1. Draw a comparison between discrete and continuous dates in tableau and illustrate one example for each by plotting a comparison chart using the PowerStore\_USA data.

Ans: <https://public.tableau.com/views/Assignment-4_16786105729770/Assignment-4_1_3?:language=en-US&:display_count=n&:origin=viz_share_link>

1. Imagine that you are given a dataset with various states of India but the data is not cleaned properly and may have entries like “Jammu” and “Kashmir” and “Andaman” and “Nicobar Islands” separately, even though both of these elements are referring to the same state. Create a dummy states data with the columns( States and STD Code) with the conditions mentioned above and read the data into your tableau desktop. Using a common tableau feature, combine the elements which have been referred twice. For example, entity “Jammu” and entity “Kashmir” should look like ““Jammu Kashmir” and so on.

Ans:

<https://public.tableau.com/views/Assignment-4_2_16786703490260/Sheet1?:language=en-US&:display_count=n&:origin=viz_share_link>

1. A "Set" is a portion of your data that satisfies criteria based on the currently available dimensions. You can generate a subset of data depending on certain conditions using a set. A set can be either a constant set or a calculated set. Create a view showing IN/OUT members of "Products with profits greater than 40000" set. Use the “NorthSeaExports.xls” dataset.

Ans: <https://public.tableau.com/views/Assignment4_3_16786725021690/Sheet1?:language=en-US&:display_count=n&:origin=viz_share_link>

1. Compare and contrast the use of Sets and Groups in Tableau. Highlight at least 2 differences each with help of illustrative examples. You can use any dataset of your choice.

Ans:

* + - 1. Sets are dynamic, whereas Groups are static - Sets are dynamic and can change based on the filters and other dimensions in the view. This means that the members of a set can change based on the context of the view. For example, you can create a set of top 10 customers based on sales and the members of the set will change as you filter the data based on different criteria
      2. Sets can be used in calculations, whereas Groups cannot be used in calculations- Sets can be used in calculations to create conditional logic based on the members of the set. This allows you to perform complex calculations based on a specific subset of data. For example, you can create a set of products with sales greater than $10,000 and use this set in a calculated field to determine the average profit margin for these products.

1. Filters, computations, and other processes can employ parameters in place of constant values because they are dynamic variables. With reference to the above piece of information, create a view depicting “TOP 5 States” based on their “Profit.”

Ans:

[https://public.tableau.com/views/Assignment-4\_5\_16786732649160/Sheet1?:language=en- US&:display\_count=n&:origin=viz\_share\_link](https://public.tableau.com/views/Assignment-4_5_16786732649160/Sheet1?:language=en-)