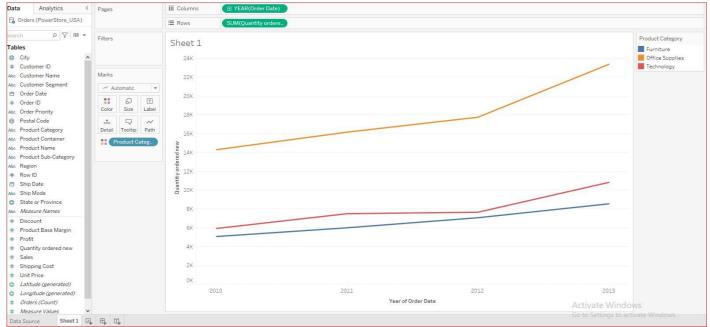
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## **Tableau- Assignment 4**

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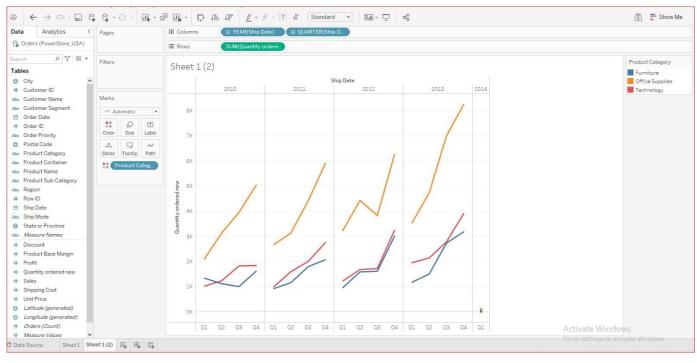
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- 1. Draw a comparison between discrete and continuous dates in tableau and illustrate one example for each by plotting a comparison chart using the PowerStore\_USA data.
  - ➤ Continuous data includes complex numbers and varying data values over a particular time interval.

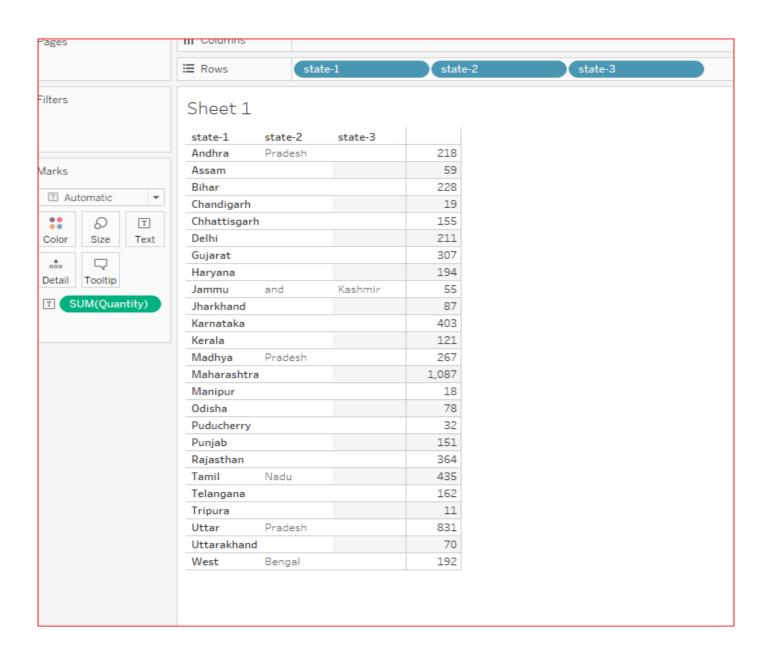


➤ Discrete data is a numerical type of data that includes whole, concrete numbers with specific and fixed data values determined by counting.

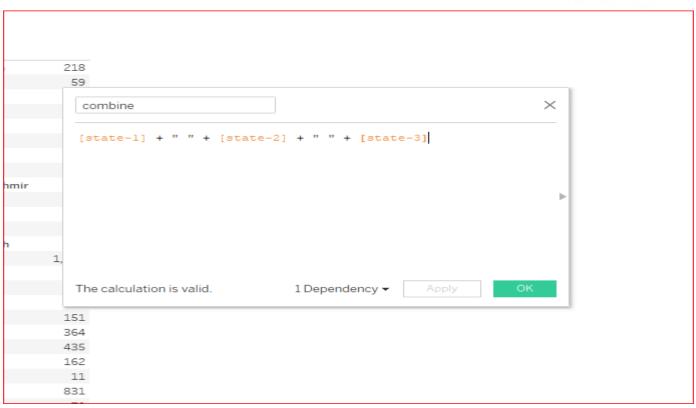
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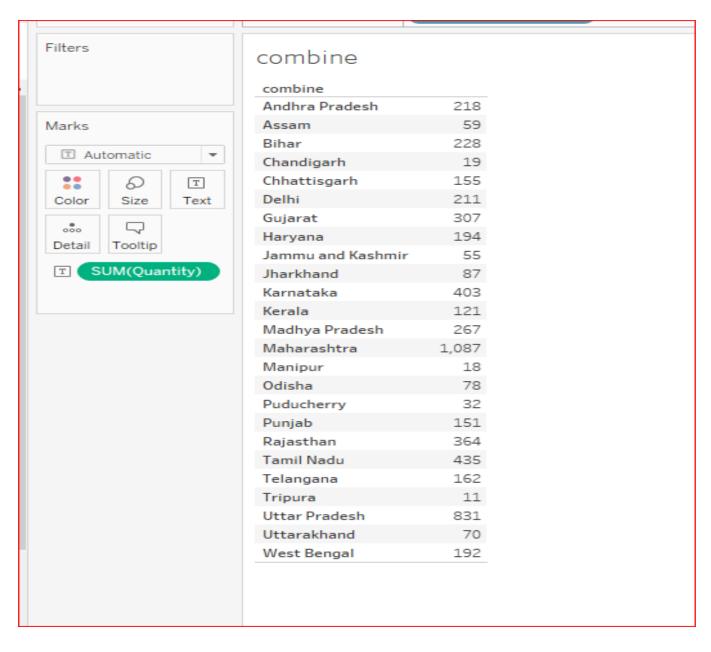


2. Imagine that you are given a dataset with various states of India, but the data is not cleaned properly and may have entries like "Jammu" and "Kashmir" and "Andaman" and "Nicobar Islands" separately, even though both elements are referring to the same state. Create a dummy state data with the columns (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 to twice. For example, entity "Jammu" and entity "Kashmir" should look like "Jammu Kashmir" and so on.



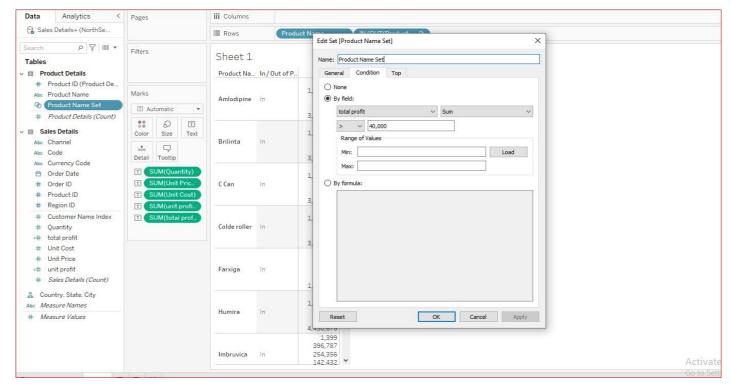
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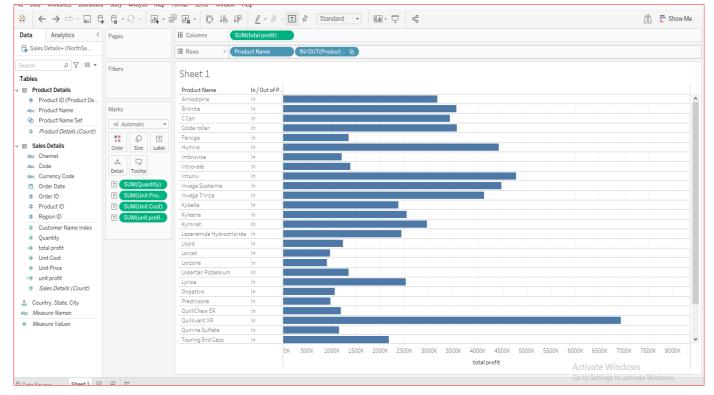


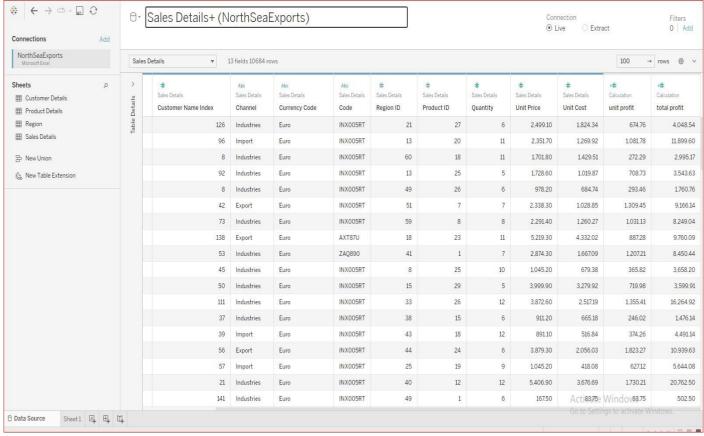


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3.A "Set" is a portion of your data that satisfies criteria based on the currently available dimensions. Using a set, you can generate a subset of data depending on certain conditions. A set can be either a constant set or a calculated set. Create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





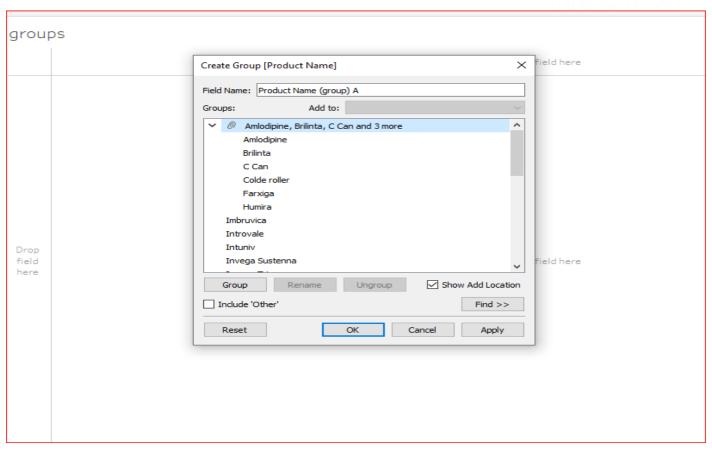


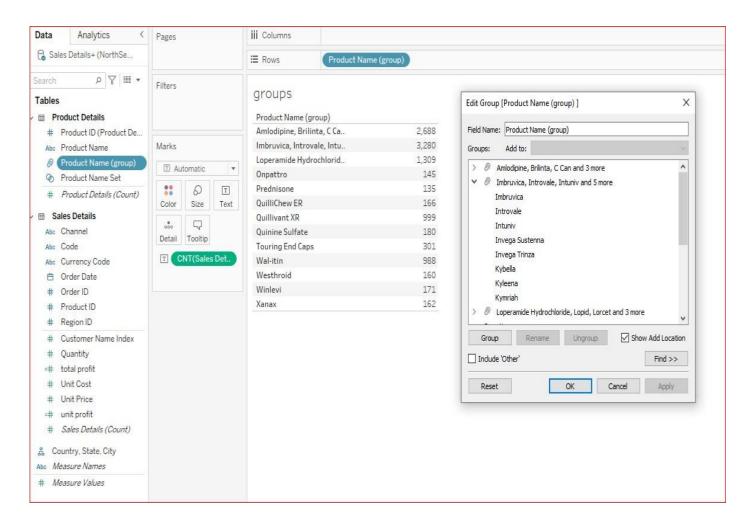
## 4. Compare and contrast the use of Sets and Groups in Tableau. Highlight at least 2 differences each with help of illustrative examples. You can use any dataset of your choice.

- ➤ A group is a collection of related members in a field. Groups aggregate the data.
- ➤ Tableau generates a new entry in the data source as well as the dimensions section when a new group is created.

roduct Name (group) Imlodipine, Brilinta, C Ca	2,688
Imbruvica, Introvale, Intu	3,280
Loperamide Hydrochlorid	1,309
Other	3,407

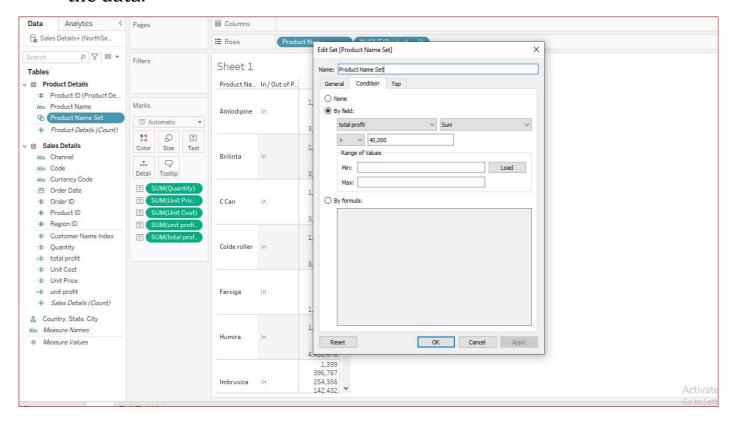
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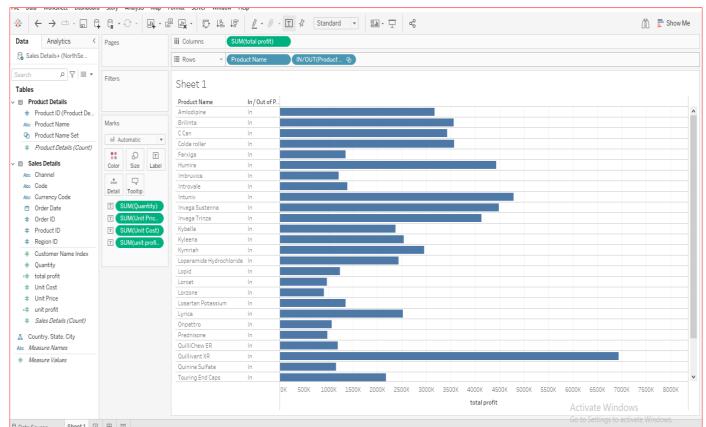




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- ➤ Sets are custom fields that define a subset of data based on some conditions (IN / OUT). Sets get positioned only in the data pane under the sets section.
- ➤ Differentiate the data through IN/OUT notations without aggregating the data.







- 5. 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 the "TOP 5 States" based on their "Profit."
  - ➤ I have created the top 5 states by total profit but here only 4 states are available, so it was showing only 4 top states.

