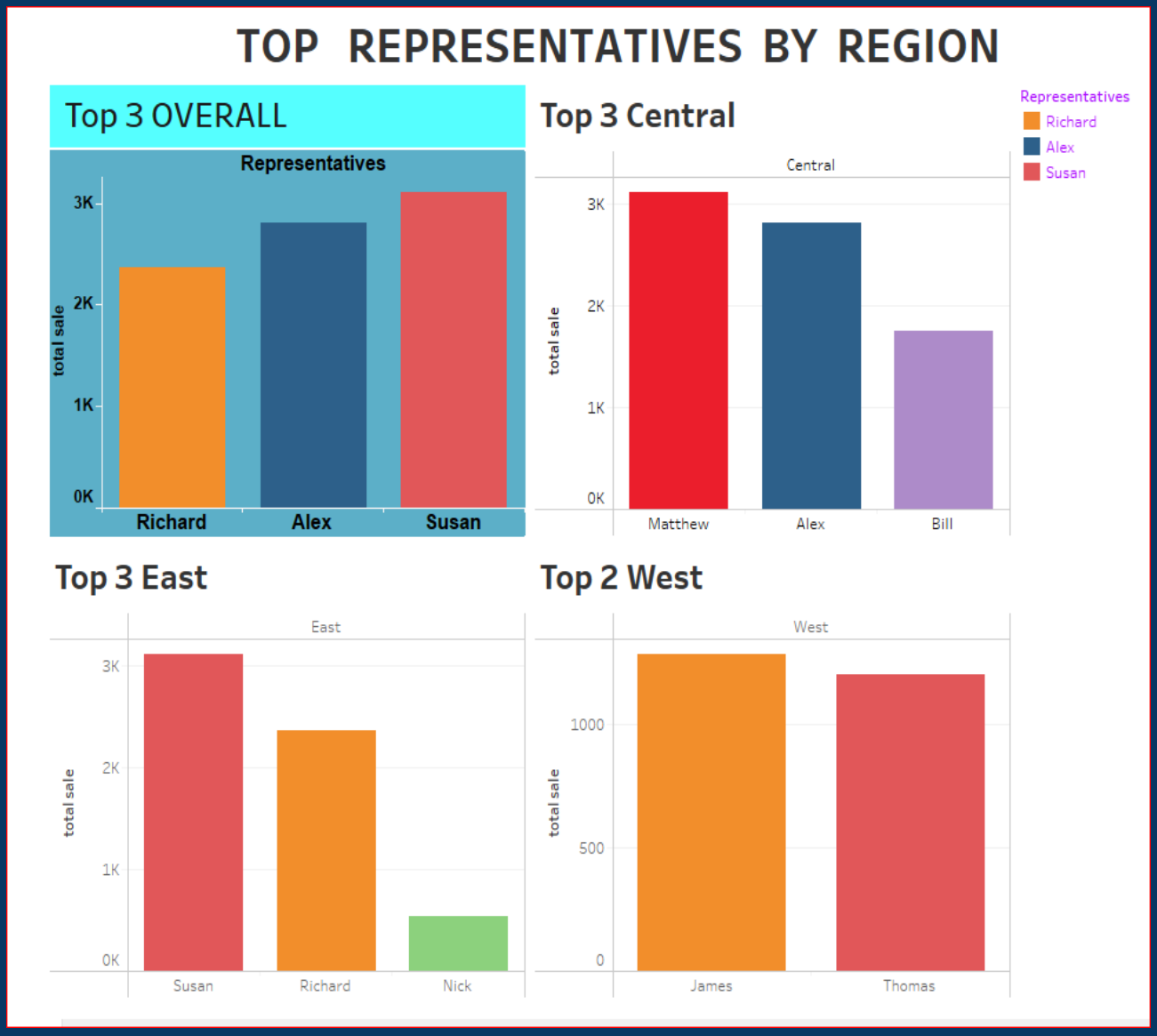
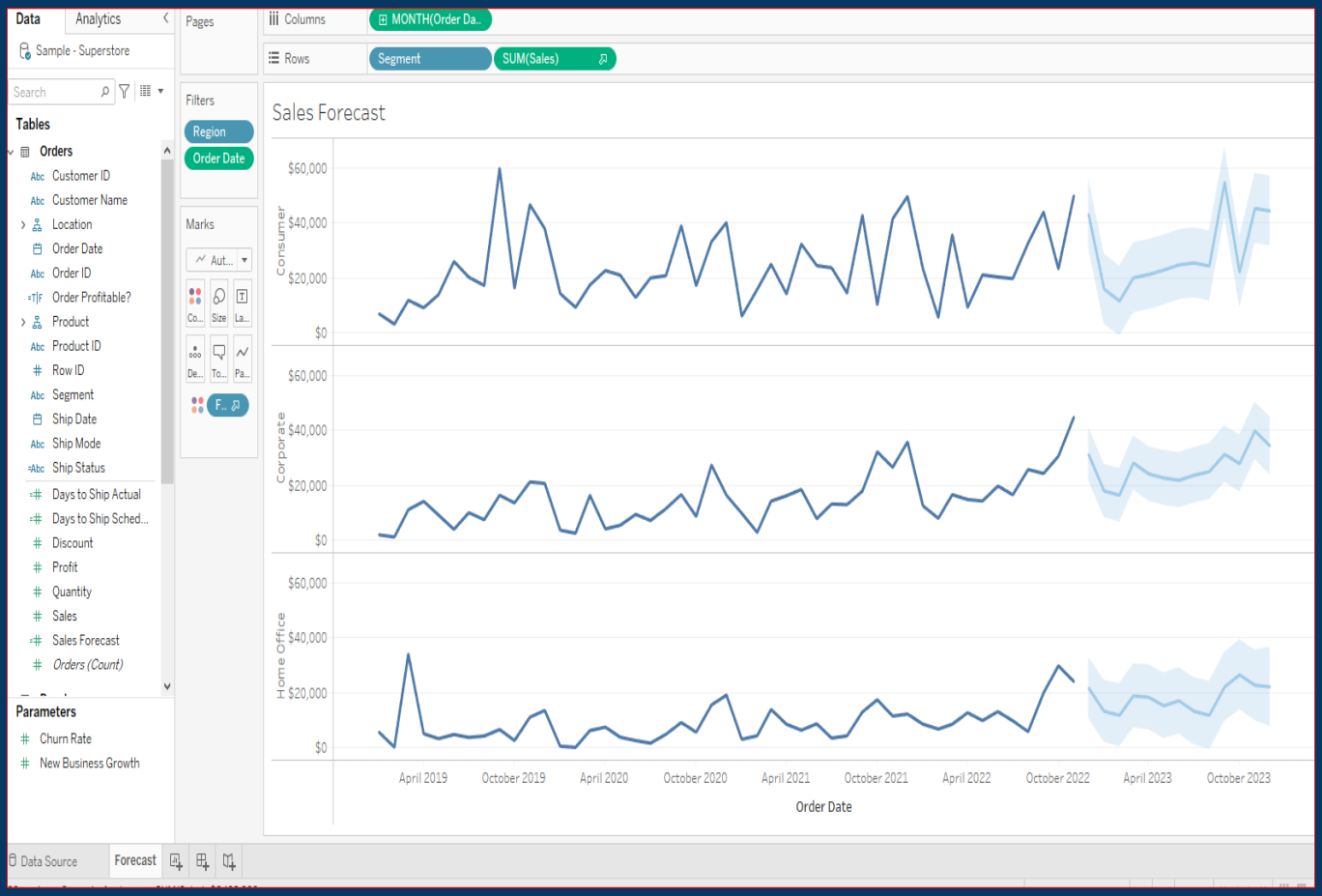
Tableau Introduction-Assignment 1

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.**



2. **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.**

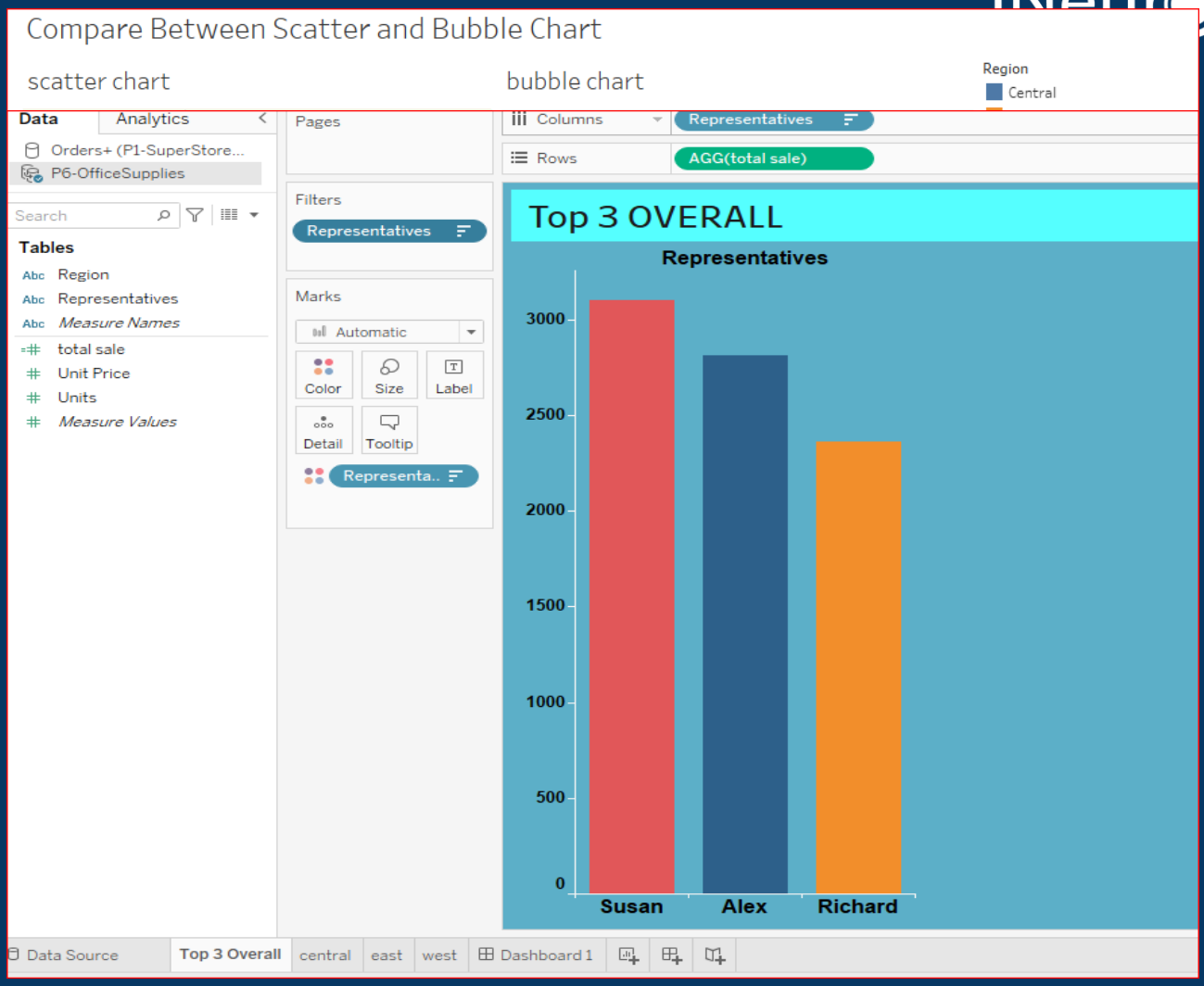
- We can save a single worksheet as a Tableau Bookmark. When we save the bookmark, Tableau creates a snapshot of the worksheet. Bookmarks can be accessed from any workbook the using bookmarks menu.
- When I create a bookmark, it is saved as worksheet_name.tbm with data source files along with the tableau bookmark.tbm file.
- As the mentioned location, this pc → Documents → My Tableau Repository → Bookmarks → .tbm files.



3. **Using the "Sample-Superstore.xls" file, create a scatter of many bits of information about employee abilities and skills and the types of correlation (negative or positive or no correlation) between them. Draw a comparison between the bubble chart and the scatter plot.**

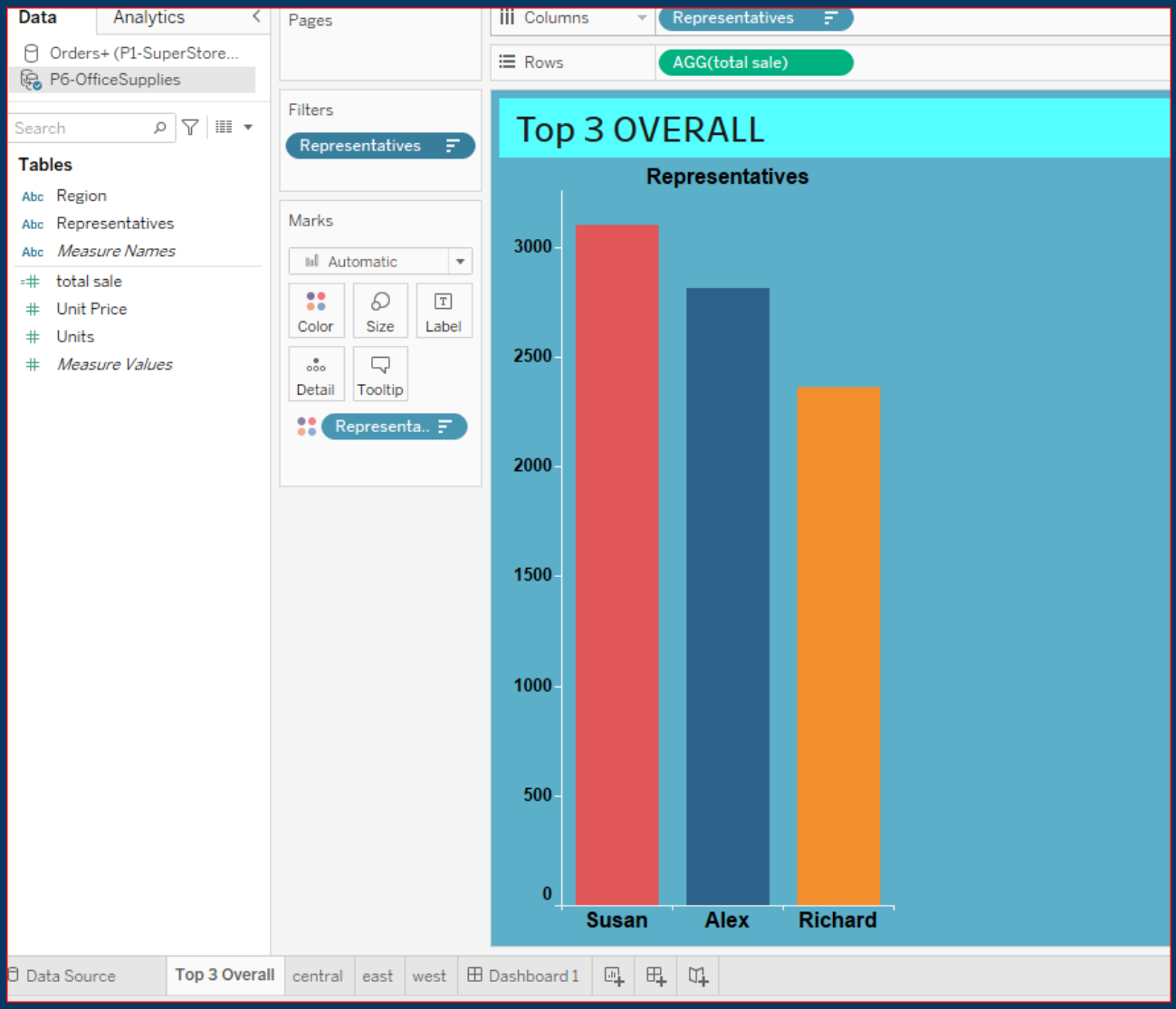
- In a scatter, chart, the X-axis displays one numeric field & the Y-axis displays another, making it easy to see the relationship between two values for all the items in the chart.

- In the bubble chart, a third numeric field controls the size of the data points. Size depends upon the measured value.



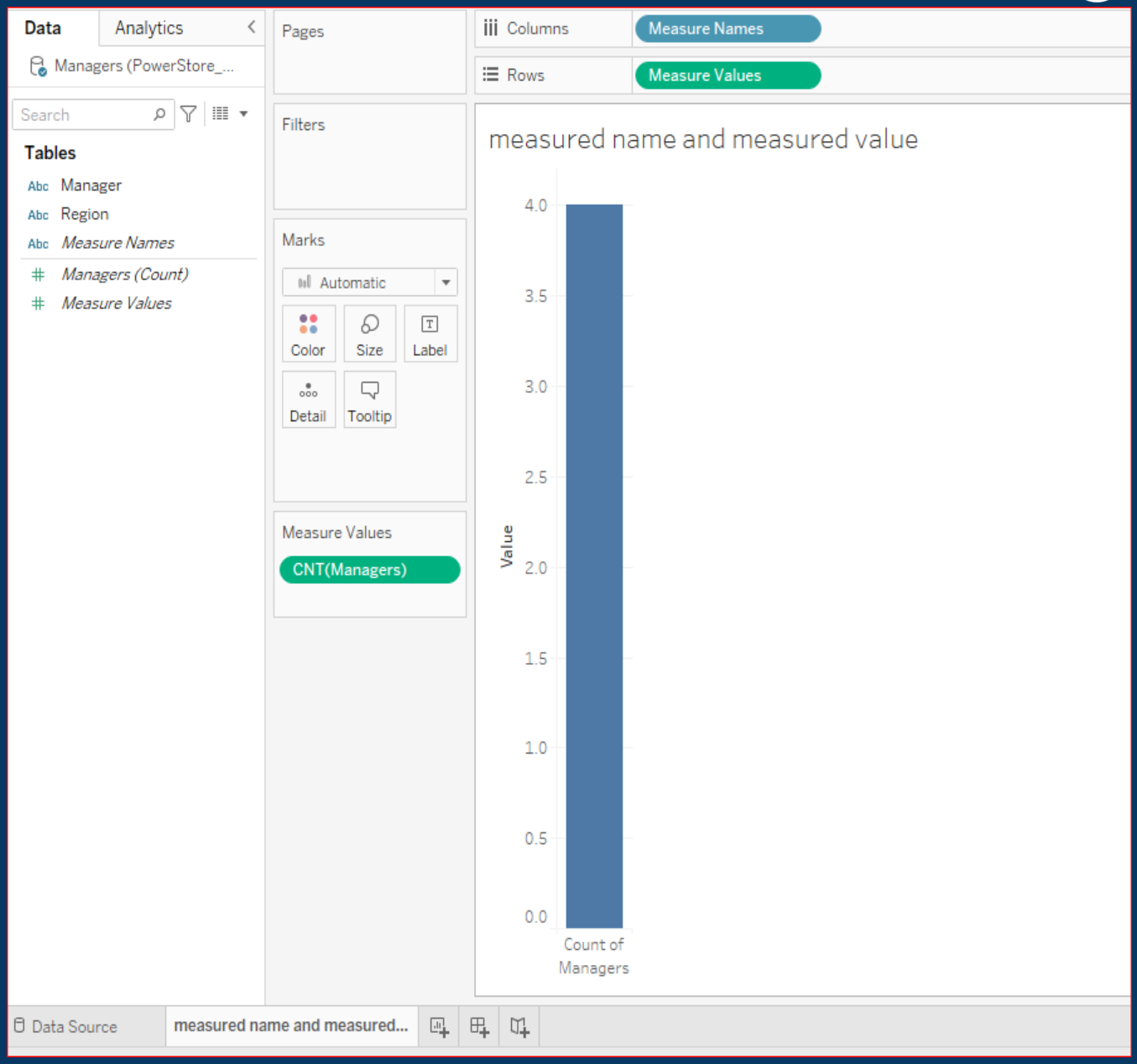
4. **Consider that you are an HR representative for a multinational company. The staff database is under your control. There are certain details regarding employees that you must n even create dummy data for illustration about employee abilities and skills that may be shared. Using the data extract option 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 dummy data for illustration purposes.**

- The no. of columns in a dataset has a larger impact on performance than the no. of rows. Therefore, removing unused columns can significantly speed up performance – especially if the dataset is very wide but only a few columns are needed.
- First, extract the data (data sources) → columns field → menu bar (right click) → "hide all unused fields". If want to show hidden fields → "show unused fields".



5. **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".**

- A measured name acts as a dimension and a Measured value acts as a measure.
- A measured name is a generated field containing the names of each measure used with measured values.
- A measured value is a generated field containing the values of each measure used with measured names.


Data
Analytics
Managers (PowerStore_...
Search
Tables
Abc Manager
Abc Region
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Pages
Filters
Marks
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Color
Size
Label
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CNT(Managers)
Columns
Measure Names
Rows
Measure Values
measured name and measured value
4.0
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1.0
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Value
Count of Managers
Data Source
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