

ASSIGNMENT : TABLEAU

[sample superstore dataset link](#)

1. Using the orders table from sample superstore dataset, Find the maximum number of days it took to ship an order from the order date using calculated field and number function (Use calculated fields to know the number of delivery days using ship date & order date)
 - a) 2
 - b) 5
 - c) 6
 - d) 7
2. Determine which product subcategory has the highest average profit and the second-highest average cost

Note: Cost= Sales-Profit

- a) Machines
 - b) Tables
 - c) Bookcases
 - d) Copiers
3. Find which region has the highest CO2(kt) emission

[World bank CO2 dataset link](#)

Steps-

1. Use Co2(kt) Raw data table from the World_Bank_CO2 dataset
2. Clean the data using data interpreter
3. Pivot the years column and rename pivot field names as years and rename pivot field values as CO2(kt)
4. Perform inner join between CO2(kt) raw data table and Metadata-countries table on Country code
5. Add data source filter on Region column and select all regions except null
6. Build a visualisation using fields region and CO2(kt) to get the answer

Note: Do not use CO2(kt) raw data count field

- a) North America
- b) East Asia and Pacific
- c) Sub Saharan Africa
- d) Europe and Central Asia

4. Using the order table from sample superstore dataset,

Select correct options that follow steps to find product(s) that have the lowest average profit

Note: Profit can be both positive and negative. A profit less than 0 indicates a loss.

Options:

Step 1) Drag product name field to column shelf -> drag profit field to rows shelf and select average aggregation-> drag profit field to filter shelf ->select average aggregation and click next-> filter range of values that are less than equal to 0-> sort ascending using the profit field

Step 2) Drag product name field to column shelf-> drag profit field to rows shelf and select average aggregation-> sort in ascending order by profit field

Step 3) Drag product name field to row shelf -> drag profit field to column shelf and select average aggregation -> sort in ascending order by profit field

- a) Step 2 >> Step 3 >> Step 1
- b) Step 1 >> Step 2 >> Step 3
- c) Step 3 >> Step 1 >> Step 2

5. Using the order table from sample superstore dataset,

Select the correct ordering of steps to let the users compare sales of top N profitable product subcategories

Steps:

1. Drag the subcategory field to the column shelf and drag the sales field to rows shelf
2. Create a parameter name it top 5 with data type=integer, Display Format = 5, Current Value =5, allowable value=range, min=1, max=5 and step size=1 and click ok->right click on the created parameter->select show parameter
3. Drag the subcategory field to the filter shelf and select use all, then go to the top tab and select by field next instead of integer select the top 5 parameter and by field profit with sum aggregation -> click ok.

- a) 1, 2, 3
- b) 3, 1, 2
- c) 3, 2, 1

6. What is the difference between a dual-axis chart and a combined-axis chart?

- a) Dual axis and combined axis are different terms but have the same meaning.
- b) Dual axis chart creates two independent axes while a combined axis chart merges two or more measures into a single axis.
- c) Combined axis chart creates two independent axes while a dual axis chart merges two or more measures into a single axis.
- d) Dual axis chart becomes a combined axis chart once two or more measures are combined into a single axis.

7. _____ is a free platform offered by tableau to explore, create and publicly share data visualisations online.

- a) Tableau Desktop
- b) Tableau Prep
- c) Tableau Public
- d) Tableau server

8. We can connect to various file types like Text files, Excel files, etc in Tableau public using different available Connectors.

- a) True
- b) False