

POWER BI - ASSESSMENT EVALUATION

Use Case:

Business Head of an Organization is looking for a report to know the Sales analysis for certain period of time, **they wishes to have this report updated on a daily basis.**

Power BI Requirement:

Based on Business Head's requirements, the development team started collating data and started creating reports in Power BI desktop. They need to analyse the comparisons of every year's sales data & create some visuals that gives an overview of sales analysis. They have to publish the report to the company's Power BI pro account and share it only with the end users.

TO-DO:

Perform the following tasks

1. Create Year Slicer
2. DAX:
 1. Create a measure for total sales that should not filter by the year selection slicers
 2. Calculate previous year & current year sales according to the slicer selections & use Measure Card visuals.
 3. Calculate $YOY\% = (\text{current year sales} - \text{previous year sales}) / (\text{previous year sales}) * 100$
 4. Calculate total no. of customers ordered in each particular year on slicer selections.
 5. Calculate total no. of orders happened in each particular year on slicer selections.
 6. Calculate Top 5 Sales By Customers.
3. Show the data in YOY% card - values as Green colour if the % change is positive else Red Colour if it is Negative.
4. Create a Line & Clustered Column chart and display current & previous year along with YOY% as a trend line which should be in a dotted line.
5. Create Tree Map with Region, State & Sales, & along with this tooltip should show profit values.
6. Create Matrix Chart & show top 5 customers by sales for each category **(in a hierarchical manner) with rankings**

Solution Submission Guidelines:

1. Create a single dashboard to show the outcome of each task mentioned above with the slicer selection of 2015(Submit both PBIX file and screenshot of Dashboard)