Brought to you by: https://www.anubhavtrainings.com
Created by: Anubhav Oberoy
System: SAP SAC Implementation project

Software Requirement Specification: Advance BI

Mobility Company

Created By: **Anubhav Oberoy**
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The Business Story – Advance BI

Ann has created a BI Dashboard as per the business requirement along with you. Now there is a further requirement to enhance the dashboard with advanced BI features:

- **Variances**
- **Conditional Formatting**
- **Thresholds**
- **Reference Line**
- **Styling**
- **Smart Features – Assist, Insight, Predict, Discovery**

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Requirement 1: Add variance to the chart (Comparing YoY Sales per Salesman)

Page Name	Overview
Data Source	Sales_Data_Model
Type	Chart
Chart Structure	Bar/Column
Measure	Order Value
Dimension	Sales Agent
Filters	NA
Variance	Time - Date A – Current Period B – Pervious Period

- Show the values in percentage
- Merge value with chart itself
- Filter Top 5 Sales Agents only

Requirement 2: Show Variance for the Count of Orders

Page Name	Overview
Data Source	Sales_Data_Model
Type	Chart
Chart Structure	Numeric Point
Primary Values	Number of Orders
Color	NA
Filters	NA
Variance	All measures in use A – Current Period B – Previous period

Requirement 3: Chart Conditional Formatting and threshold

- Create Threshold at Story level using Conditional Formatting

Order Value Threshold	
Ok	>= 150000
Warning	>= 50000 and < 150000
Error	< 50000

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- Apply the threshold at Measure level using **Story Defined option**
- Add a green color reference line with fixed value as 1,50,000

Requirement 4: Create a new bullet chart using the defined threshold

- Copy Chart **Order Value per Customer** and change to bullet
- Add Multiple conditional Threshold based on performance of the sales Person

Requirement 5: Table Style and Threshold

- Go to **styling panel** for the table and change the **template** to **Report-Styling**

Page Name	**Overview**
Data Source	Sales_Data_Model
Responsive Fixed Layout	Yes
Rows	Order Id Dimension
Columns	Select No of Meetings
New Threshold	>=30 – ok, 20-30 – warning, < 10 - error
Enable Explorer	No

- In styling panel, we can choose different options for Threshold value

Requirement 6: Linked Model with Custom Calculated Column & In-Cell Chart

*learn the concept of linked model (relationship)
*delink the page filter from a particular control using linked analysis option

Page Name	**Overview**
Data Source	Sales_Data_Target Sales_Data_Model
Linked	Product
Rows	Product
Columns	Target Unit Unit Sold
Filters	NA
Enable Explorer	No
NEW COLUMN	Delta = Unit_Sold – Target_Unit
Select Column	Add In-Cell Chart
Select Column Values	Add Variance

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Requirement 7: Styling Options

- Add Logo
- Show Hide Scales, Filters etc.
- Change Background and Foreground colors
- Show Story Style Preferences
- Save As Template option

Exploring Smart Features of SAP Analytics Cloud

Explore 1: Augmented Analytics/Smart Assist/NLP Based Analytics

Ask following questions

1. Show Order Value
2. Show Order Value **by product**
3. Show Order Value by product **for last year**
4. Show Order Value by product **as a pie chart**

Adding the chart to the page

Explore 2: Smart Insights

Find out which **product** is the top contributor in the **Units Sold**
Which are the **customer segments** who contributes highest within the top product wise Unit Sold
Which **Country** dominates the sales for the Top Unit contributing Products

Explore 3: Smart Predict

Add a **Time Series** Chart for **Order Value** per **Date**
Apply **Smart Predict** for **Forecasting**

Explore 4: Smart Discovery

Build Complete Dashboard with just one click on **Order Value**

Explore 5: Collaboration and Responsive Capability

Explore 6: Explorer Feature – Enabling End users & Bookmark

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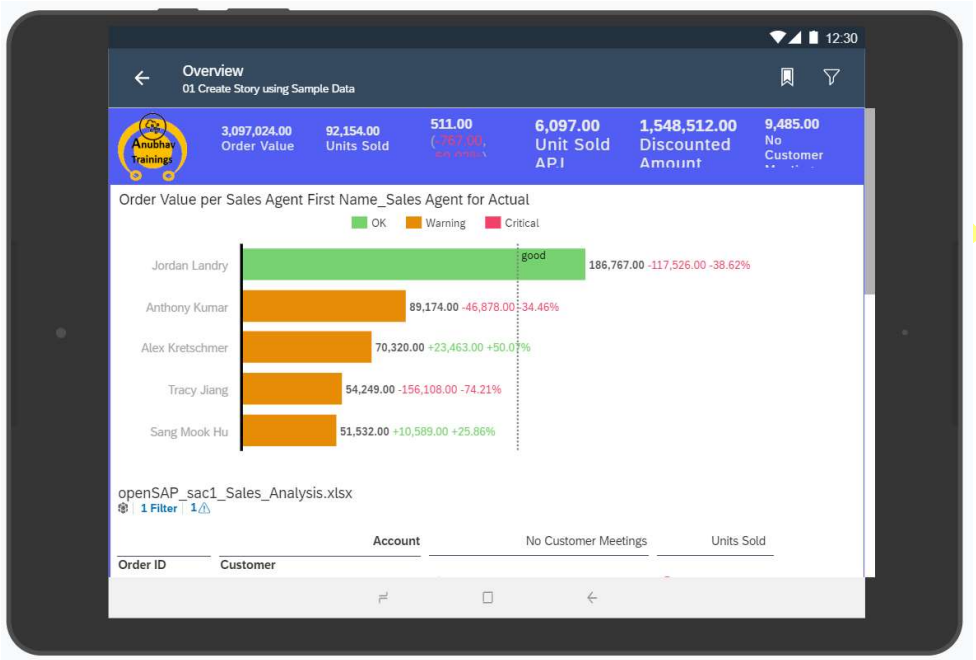

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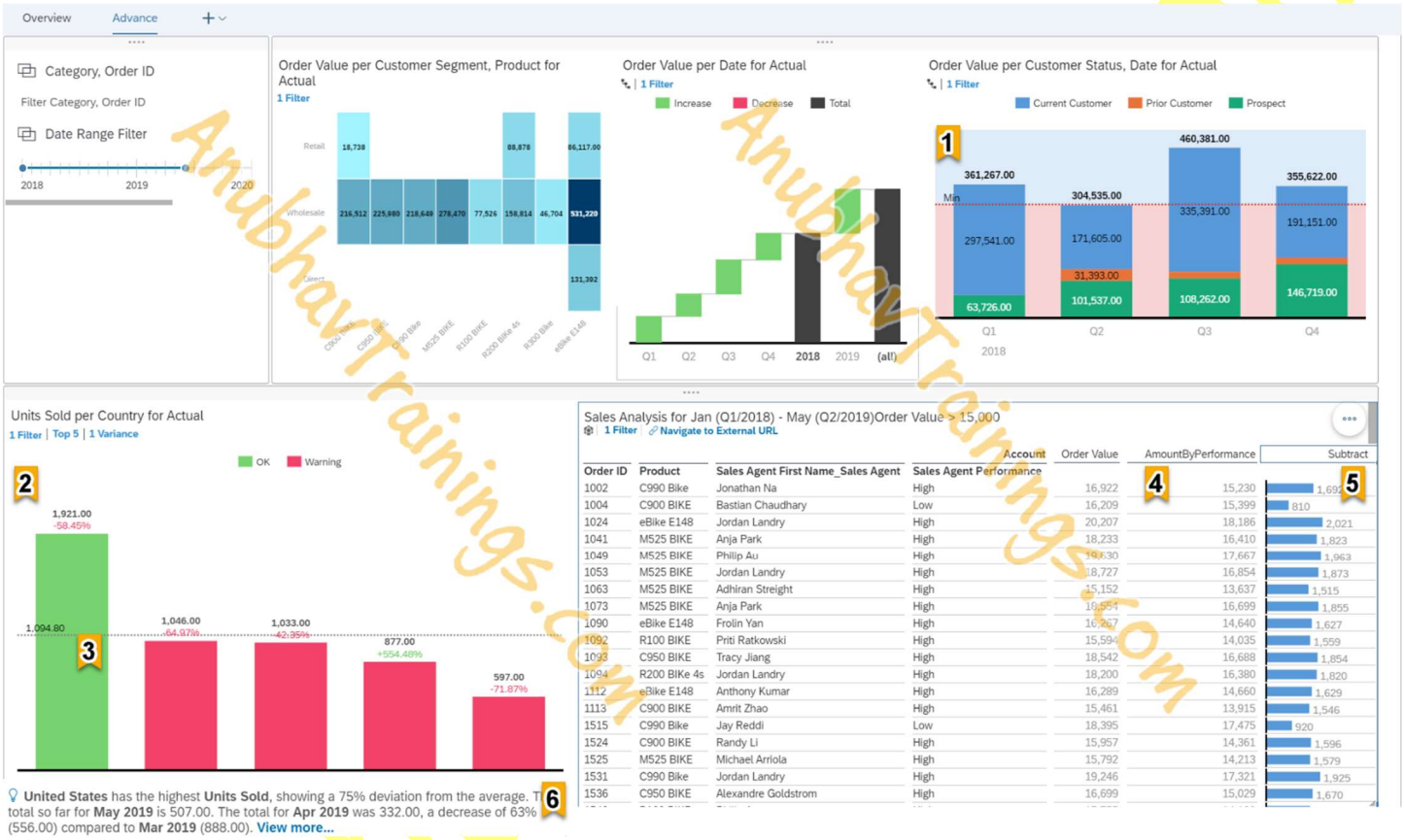
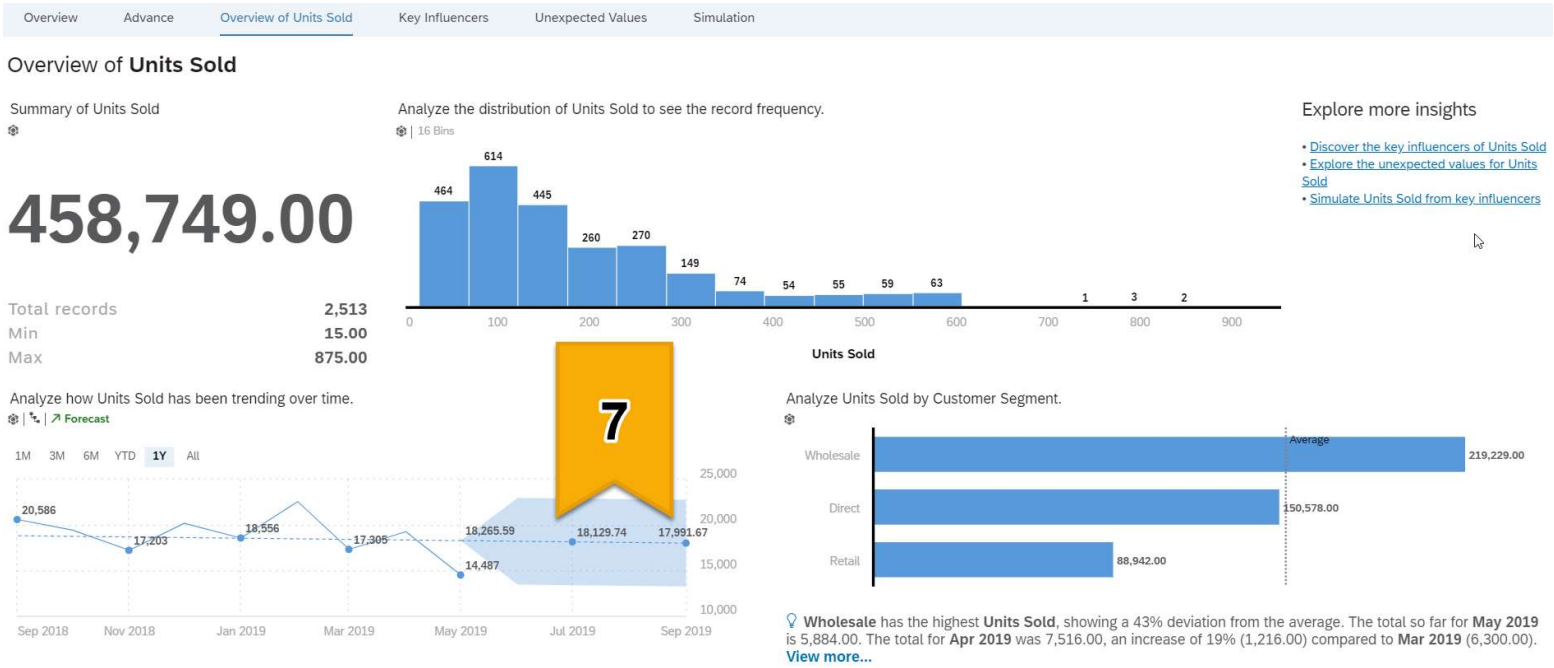
EXERCISE 02 – ANUBHAV TRAININGS – SAP ANALYTICS CLOUD TRAINING

Created by: Anubhav Oberoy
System: SAP SAC Implementation project

Welcome back to Anubhav Trainings, hope you had a great session. In this **advance BI** exercise

The UI Mockup as below with total 7 Requirements





Requirement 1: Add Reference line for **Order Value per Customer Status, Date for Actual**

Page Name	**Advance**
Add Reference line Type	Dynamic
Measure	Order Value
Aggregation	Min
Label	Min

*Drill down and check that the line changes automatically.

Requirement 2: Add Bar Chart with Order Units Sold per Country (Top 5) and add variance for comparing by last year

Page Name	**Advance**
Data Source	Sales_Data_Model
Type	Chart
Chart Structure	Bar/Column (Vertical)
Measures	Unit Sold
Dimensions	Country
Filter	2019
Variance	All Measures (Previous Period)

Requirement 3: Chart Conditional Formatting and threshold for Unit Sold / Country

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- Create Threshold at Story level using Conditional Formatting

Order Value Threshold	
Ok	>= 1094
Error	< 50000

- Apply the threshold at Measure level using **Story Defined option**
- Add a green color reference line with fixed value as 1094

Requirement 4: Add New dynamic column Calculation AmountByPerformance in table

Page Name	**Advance**
Calculated Measure **For High – 10% discount** **For Low – 5% discount**	IF([d/"Sales Agent Performance"]='High', ["openSAP_sac1_Sales_Analysis.xlsx":Order_Value]*0.90, ["openSAP_sac1_Sales_Analysis.xlsx":Order_Value]*0.95)

Requirement 5: Add New Difference column and in-cell Chart

Page Name	**Advance**
Data Source	Sales_Data_Model
Type	Table
New Column	Substract (order Value – Amount By Performance)
In-Cell Chart	Yes

Requirement 6: Enable Smart Insight for Unit Sold and find the contribution of dimensions

Requirement 7: Explore the Smart Discovery for Units Sold and add them to pages

For detailed training on SAP Analytics cloud with such real time scenarios, feel free to get in touch with us on
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