



# LEARNING DEMO SCRIPT

## Simple Start with SAP Datasphere

Scenario ID: 16522

Last Updated: Sept, 2023

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# 1 DEMO SCRIPT OVERVIEW

## 1.1 Highlights

This demo 16522 is about the company BestRun doing a simple and quick start with SAP Cloud Solutions (SAP Datasphere and SAP Analytics Cloud).

SMITHJO (a BestRun Business User) wants to create a quick analysis on Actual Sales Order Data together with Predictions being made on Sales Order Values referring to Customers, Products and Time.

## 1.2 Why SAP?

This demo shows how a BestRun Business User can quickly and easily combine and analyze data coming from different sources in SAP Datasphere and SAP Analytics Cloud.

BestRun is interested in a Cloud enabled Data Warehouse and Analytics solution in which Business Users find one unified User Experience. Business Users themselves want to be able to quickly combine their data from different sources into structures on which they can deliver and share End user Reporting in a fast way.

With SAP Datasphere and SAP Analytics Cloud SAP exactly delivers technology to enable one unified User Experience to fast, flexible, End-to-End, collaborative Enterprise Data Warehousing Software in which even Business Users can combine heterogeneous data sources easily on their own to answer their specific questions.

### **Business Situation:**

- SMITHJO (being a Business User at BestRun) wants to have a quick Analysis on Actual Sales Order Data together with Predictions being made on Sales Order Values referring to Customers, Products and Time.
- Parts of the data are saved in a flat file.
- Others are available in a local table.
- He is intended to deliver a pleasant Reporting quickly without the need to ask IT for support.

### **Business Challenges:**

- Combinations of data often needs complex Data Modeling which was often impossible without IT support.
- SMITHJO wants to answer a precise question “How did BestRun’s Sales Order Values develop in September 2019 in comparison to Predicted Values?”

### **Business Benefits:**

- Using SAP Datasphere and SAP Analytics Cloud enable a common evaluation of both data scopes by the Business User himself.
- With a simple and quick start with SAP Datasphere SMITHJO can answer his question immediately.

### **Technical Benefits:**

- It is easy for SMITHJO himself to combine the existing data from the different sources.
- Without needing IT, he works in his Space and combines the data he needs in a SAP Datasphere Data Model and also creates a pleasant Analytics Story combining both data scopes.

## 2 DEMO ACCESS AND INFORMATION

### 2.1 Software and system information

Software / System
SAP Datasphere
SAP Analytics Cloud

## 3 PRE-DEMO STEPS AND GUIDELINES

### 3.1 Before you run this demo

Before a demo make sure you read the following information:

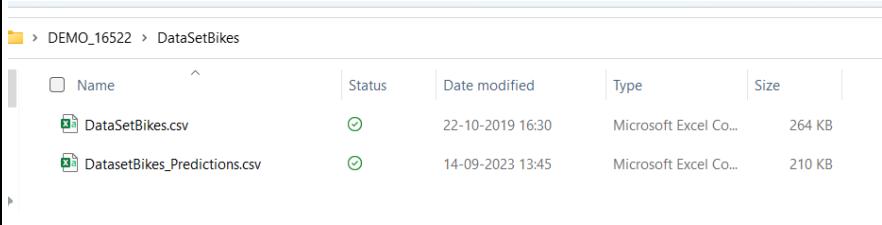
1. Please stick to the script. No customization is allowed on this system. If you find areas where you are able change, the configuration, please do NOT do it. You will affect others running a demo.

### 3.2 How to reset this demo

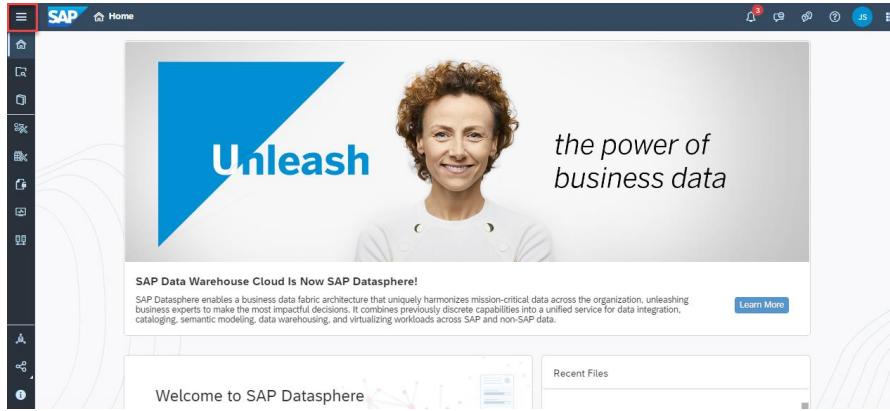
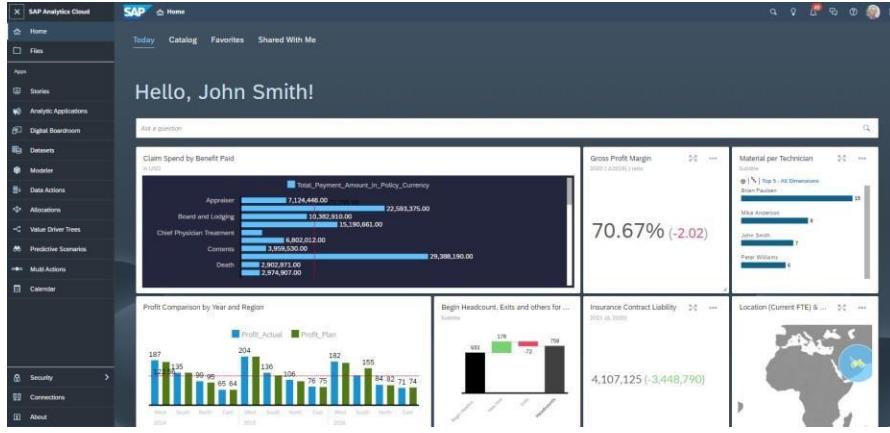
No actions necessary currently.

## 4 DEMO SCRIPT / STEP-BY STEP GUIDE

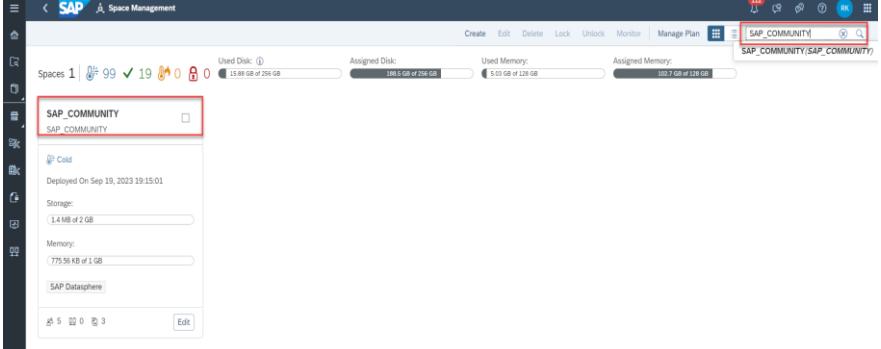
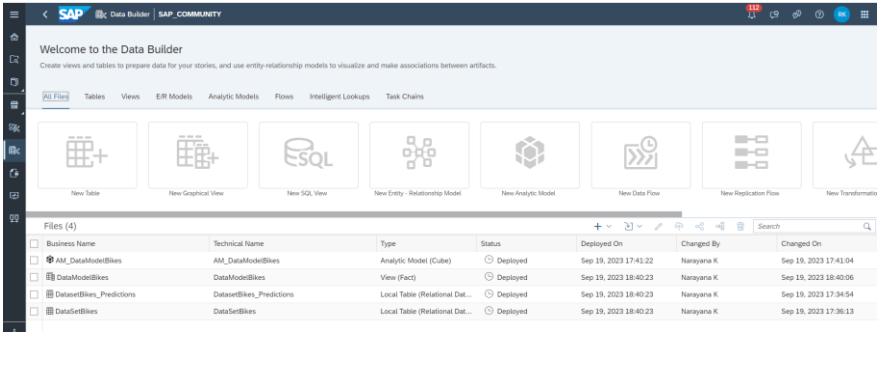
### 4.1 Steps to be done before the demo.

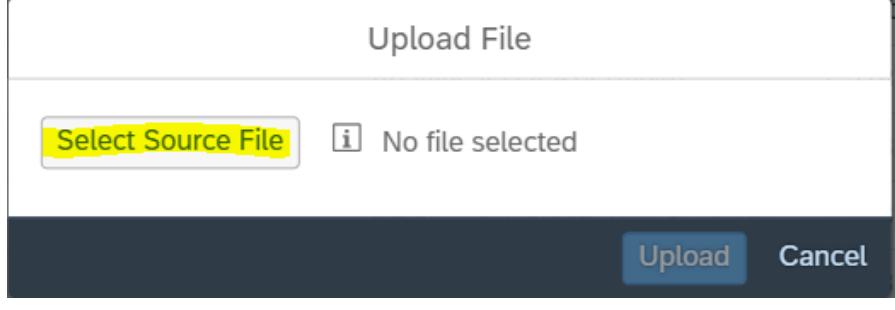
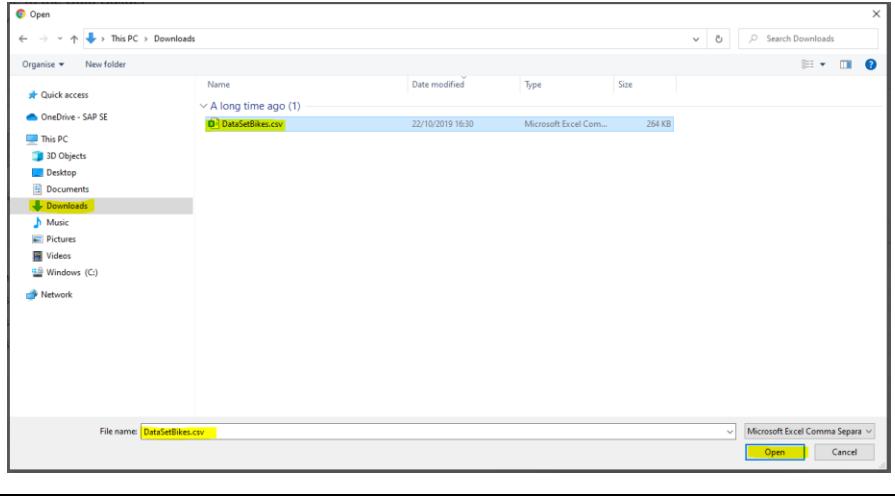
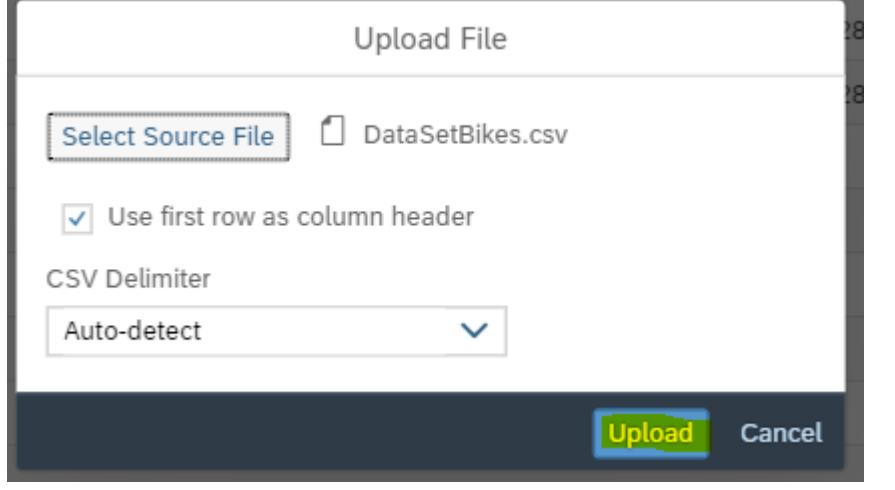
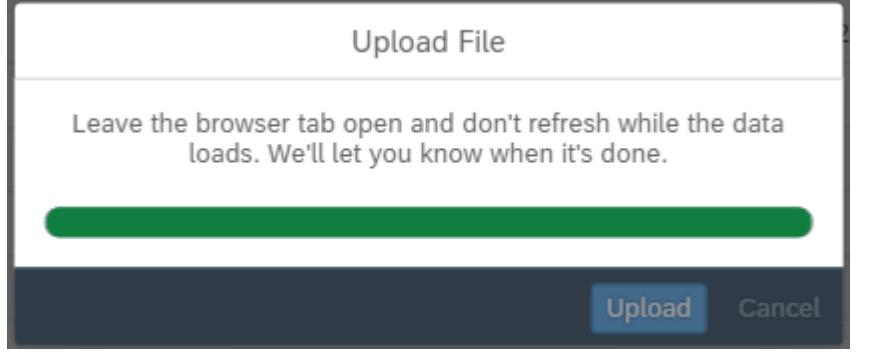
	<b>Actions</b>	<b>Screenshots and Explanation</b>															
1.	<ul style="list-style-type: none"> <li>• In the attached demo material, you find in the zip file the CSV files.</li> <li>• Download that file and extract the contained files into the directory e.g. "Downloads".</li> </ul>	<p><b>Supporting Documentation</b></p> <div style="display: flex; justify-content: space-around;"> <a href="#">Competitive Info</a> <a href="#">Download All</a> </div>  <p>Simple Start with Data Warehouse Cloud</p> <p>DataSetBikes</p>															
2.	<ul style="list-style-type: none"> <li>• Make sure that you have an CSV -file called "DataSetBikes.csv" and "DataSetBikes_Predictions.CSV" in the directory "Downloads".</li> </ul>	 <table border="1"> <thead> <tr> <th>Name</th> <th>Status</th> <th>Date modified</th> <th>Type</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>DataSetBikes.csv</td> <td>○</td> <td>22-10-2019 16:30</td> <td>Microsoft Excel Co...</td> <td>264 KB</td> </tr> <tr> <td>DatasetBikes_Predictions.csv</td> <td>○</td> <td>14-09-2023 13:45</td> <td>Microsoft Excel Co...</td> <td>210 KB</td> </tr> </tbody> </table>	Name	Status	Date modified	Type	Size	DataSetBikes.csv	○	22-10-2019 16:30	Microsoft Excel Co...	264 KB	DatasetBikes_Predictions.csv	○	14-09-2023 13:45	Microsoft Excel Co...	210 KB
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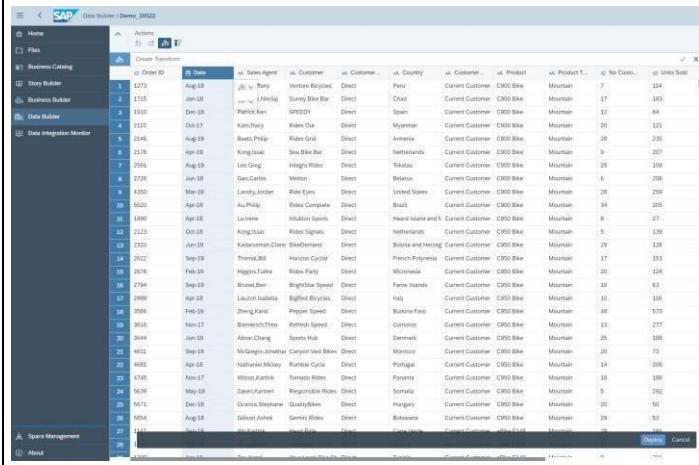
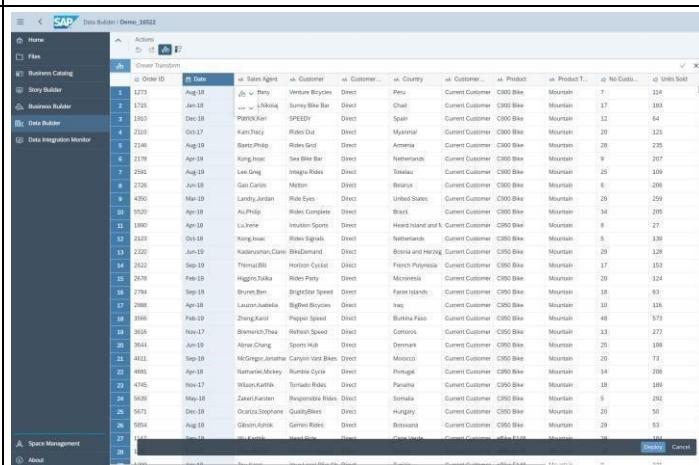
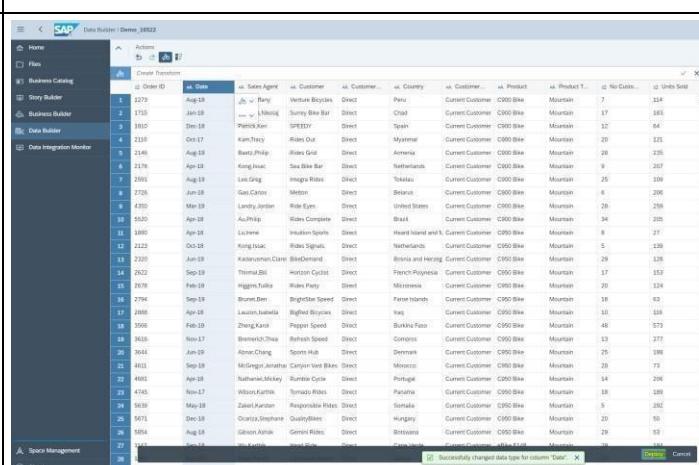
## 4.2 Logon to SAP Datasphere and SAP Analytics Cloud

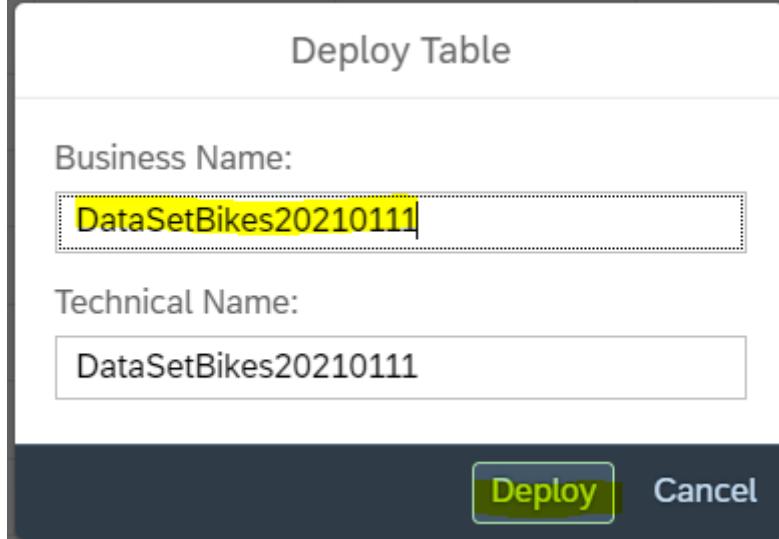
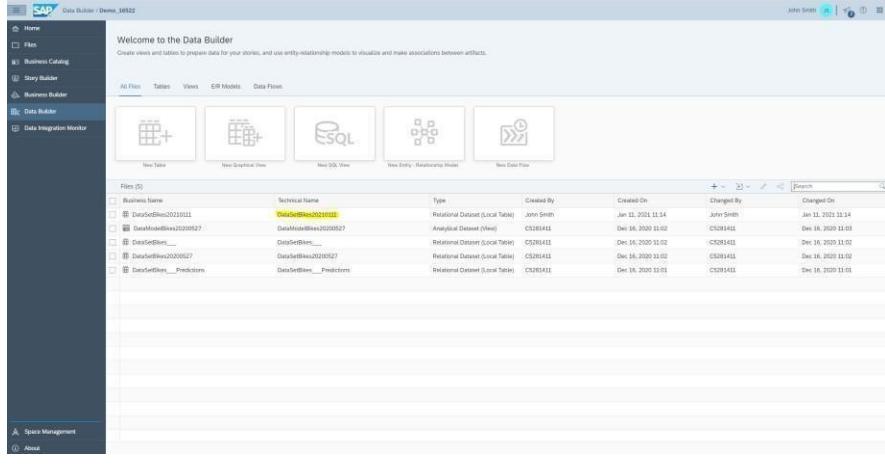
	<b>Actions</b>	<b>Screenshots and Explanation</b>
7.	<ul style="list-style-type: none"> <li>• Open Google Chrome.</li> <li>• In Google Chrome: Log on to SAP DATASPHERE tenant according to section 2.1.</li> <li>• To expand the navigation menu, click on .</li> </ul>	
8.	<ul style="list-style-type: none"> <li>• Open a second Google Chrome session (for SAP Analytics Cloud).</li> <li>• In Google Chrome: Log on to SAC tenant according to section 2.1.</li> <li>• Return to the first tab: SAP Datasphere</li> </ul>	

## 4.3 Import Flat File into local SAP Datasphere Table

Actions	Screenshots and Explanation	
9.	<ul style="list-style-type: none"> <li>To start building Data Models click on “Data Builder”.</li> </ul>	 
10.	<ul style="list-style-type: none"> <li>Select the Space “SAP_COMMUNITY”.</li> </ul>	<p>One of the first concepts SMITHJO notices is the concept of Spaces. Spaces are containers for an organization to both share/store different data models, stories, dimensions etc. that belong to one group.</p> <p>SMITHJO is assigned to the organization group BestRunSales which is represented by “SAP_COMMUNITY” here, so select the Space “SAP_COMMUNITY”.</p> 
11.	<ul style="list-style-type: none"> <li>Click on “Import” → “Import CSV File”.</li> </ul>	<p>In order to create a local table in SAP DATASPHERE with the content of the flat file choose “Import CSV File”.</p> 

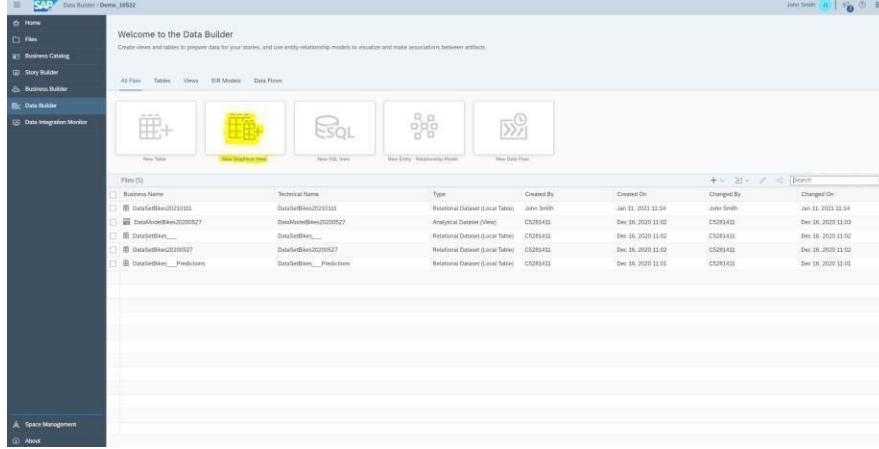
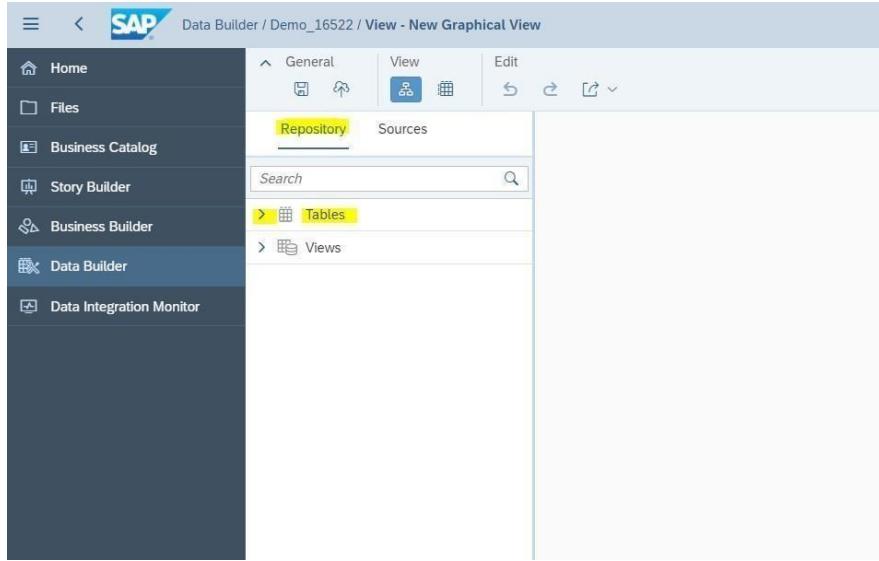
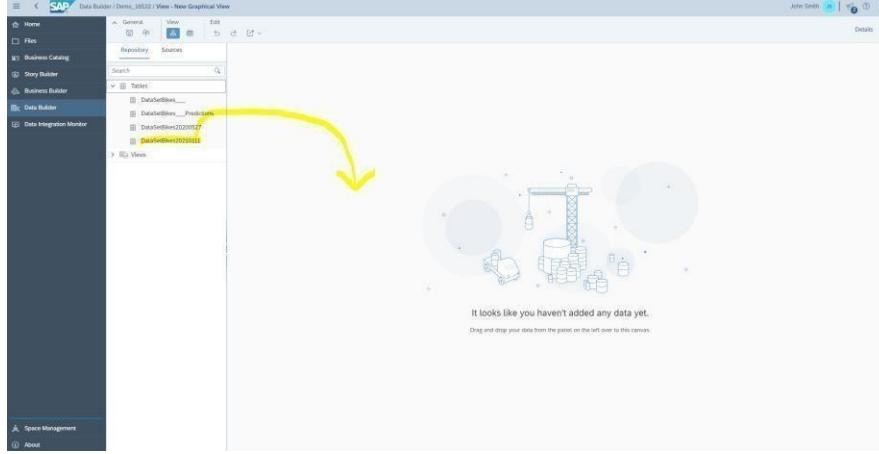
Actions	Screenshots and Explanation
12.	<ul style="list-style-type: none"> <li>Click on “Select Source File”.</li> </ul> 
13.	<ul style="list-style-type: none"> <li>Choose the folder “Downloads”, select the file “DataSetBikes.csv” (type Microsoft Excel Comma Separated Values) and press the button “Open”.</li> <li>[Repeat the same for the DatasetBikes_Predictions.csv]</li> </ul> 
14.	<ul style="list-style-type: none"> <li>Confirm to use the first row as column header and to auto- detect the CSV Delimiter (in this case:) by pressing the button “Upload”</li> </ul>  

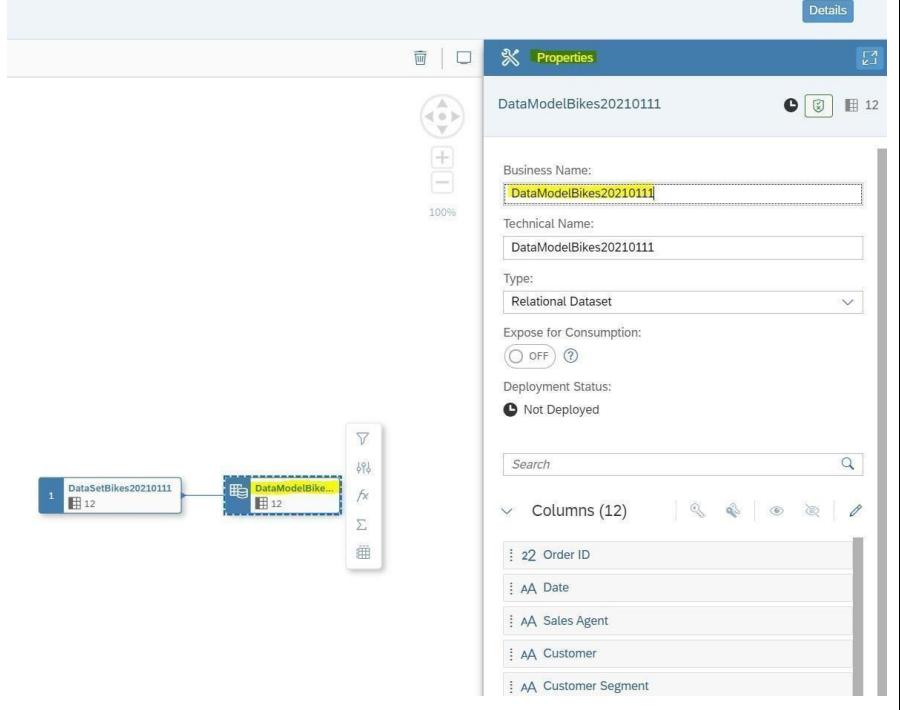
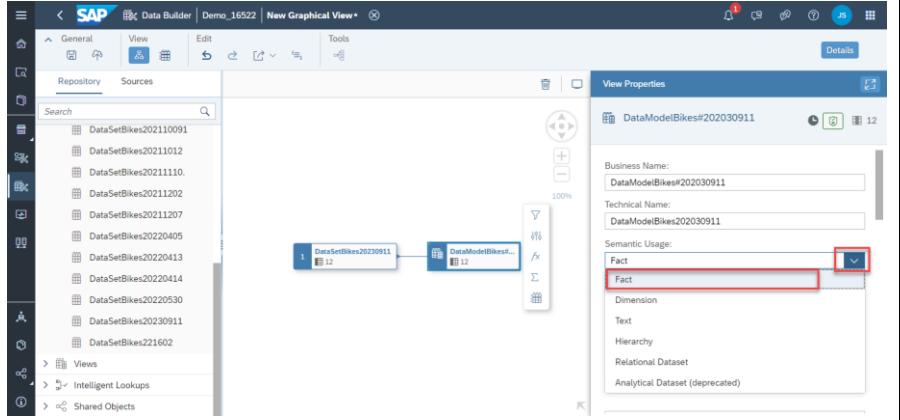
	<b>Actions</b>	<b>Screenshots and Explanation</b>
15.	<ul style="list-style-type: none"> <li>The system offers you the option to create Transformations.</li> <li>Move the mouse into the row (on the right-hand side) where the column “Date” is given.</li> </ul>	 <p>The screenshot shows the SAP Data Builder interface with the 'Create Transformation' dialog open. A tooltip highlights the 'Date' column header, indicating where to move the mouse to start creating a transformation.</p>
16.	<ul style="list-style-type: none"> <li>Change the Data Type from “Date” to “String”.</li> </ul>	 <p>The screenshot shows the SAP Data Builder interface with the 'Create Transformation' dialog open. A tooltip highlights the 'Data Type' dropdown menu, which is set to 'String'.</p>
17.	<ul style="list-style-type: none"> <li>Click the button “Deploy”.</li> </ul>	 <p>The screenshot shows the SAP Data Builder interface with the 'Create Transformation' dialog open. A tooltip highlights the 'Deploy' button at the bottom right of the dialog.</p>

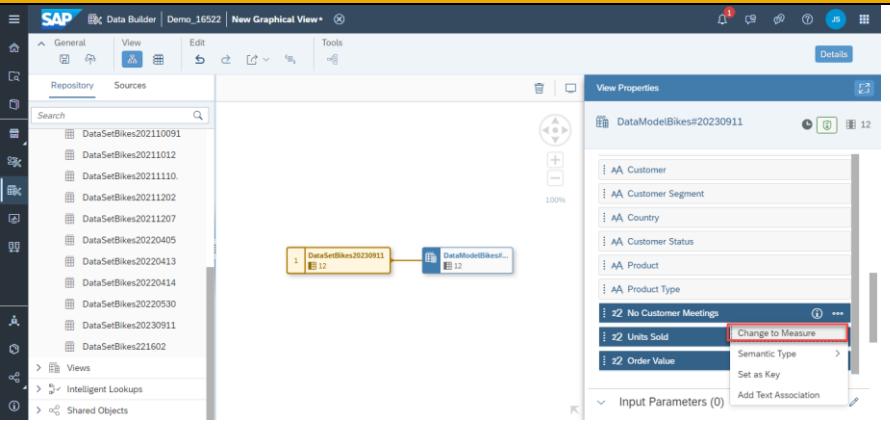
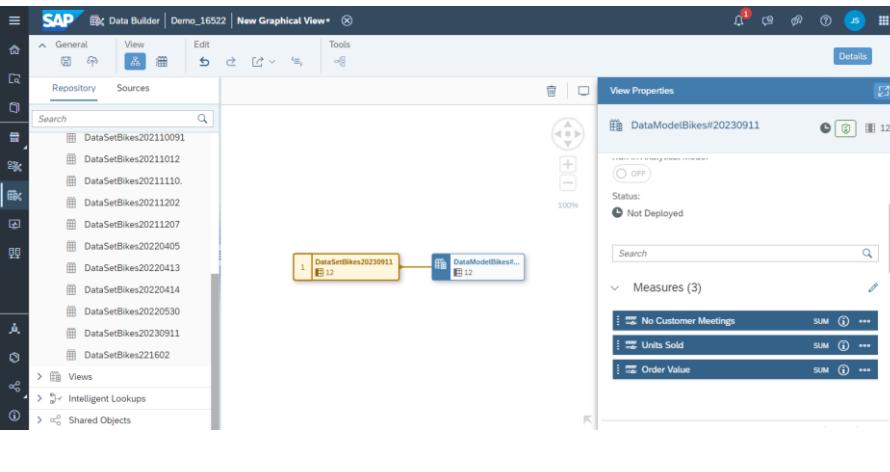
	<b>Actions</b>	<b>Screenshots and Explanation</b>
18.	<ul style="list-style-type: none"> <li>Change the Business Name of the Dataset (that is going to be created) to “DataSetBikes#current date#” In this example: „DataSetBikes20210111“</li> <li>The system checks the name automatically. If this name is already used, please add a suffix. “_01”, “_02”, ... or “_99” to the Name.</li> <li>Click the button “Deploy”.</li> </ul>	
19.	<ul style="list-style-type: none"> <li>See that a Local Table “DataSetBikes20210111” has been created and deployed successfully.</li> </ul>	

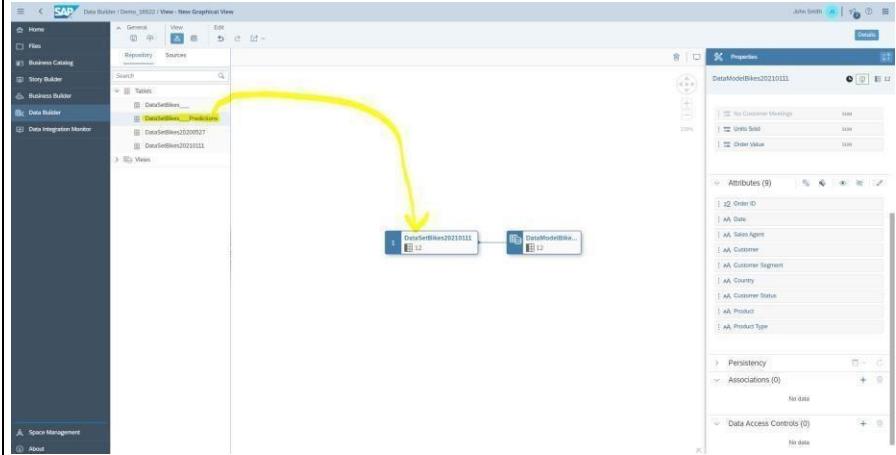
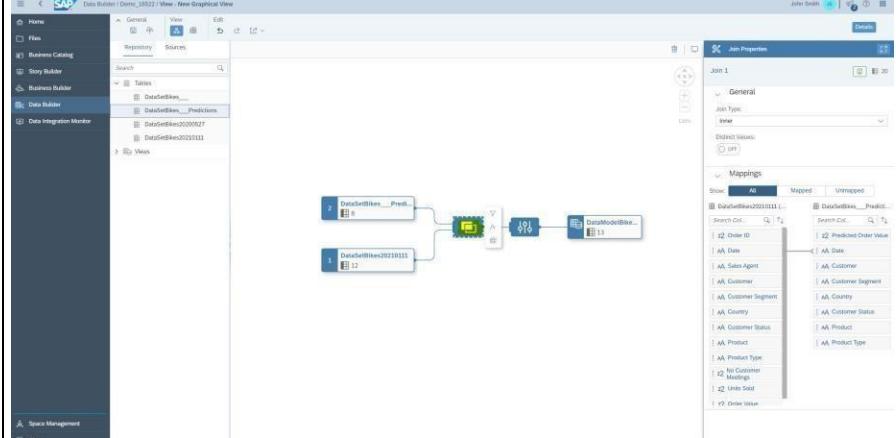
#### 4.4 Create Data Model in SAP Datasphere

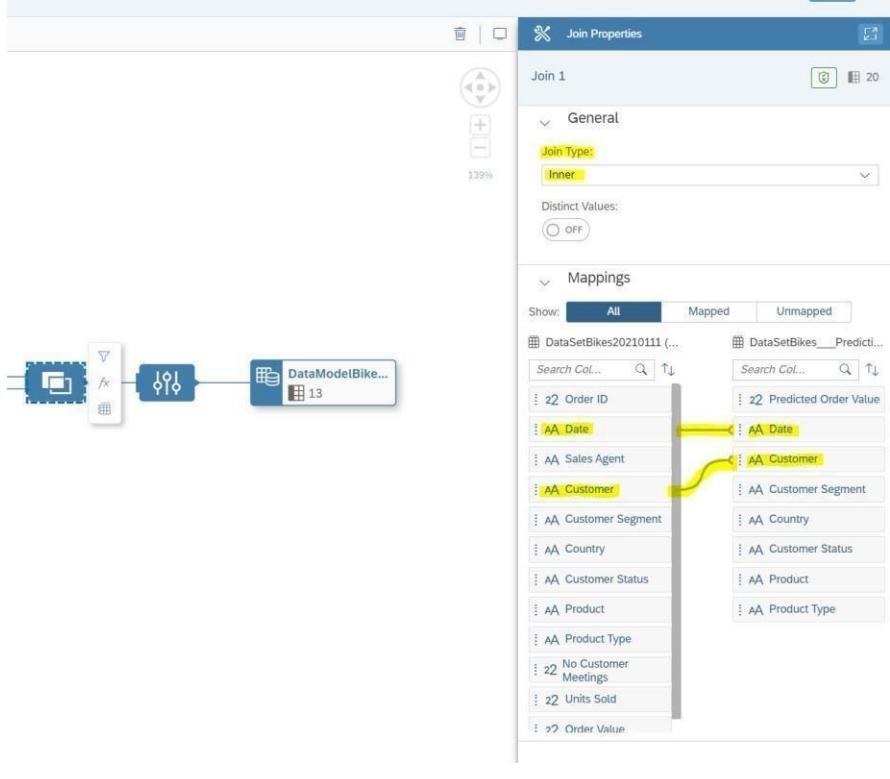
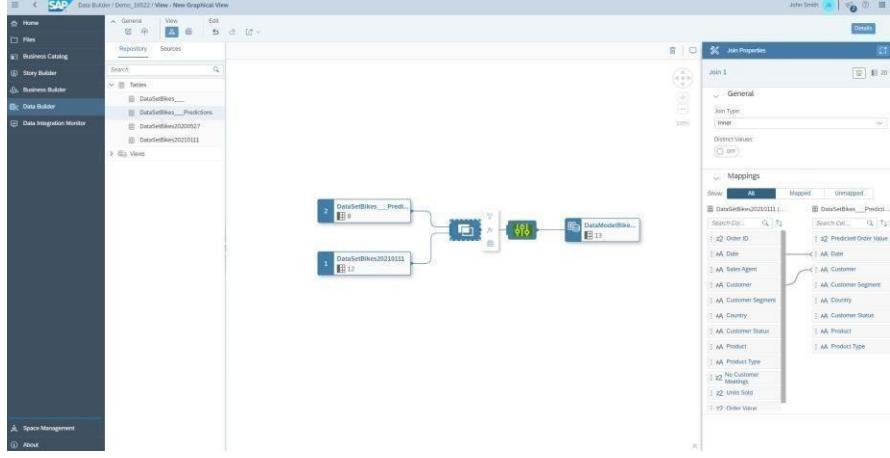
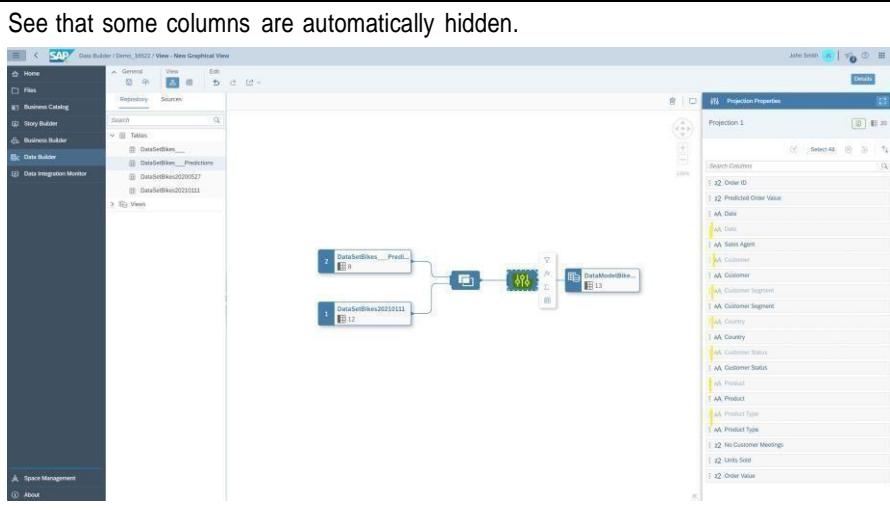
	<b>Actions</b>	<b>Screenshots and Explanation</b>
20.	<ul style="list-style-type: none"> <li>In order to create a SAP Datasphere Data Model using this table click “New Graphical View”.</li> </ul>	<ul style="list-style-type: none"> <li>The result of the last step is that this flat Data Set is uploaded into a SAP Datasphere Local Table called “DataSetBikes20210111”. In this step SMITHJO is going to create a SAP DATASPHERE Data Model using this table.</li> </ul>

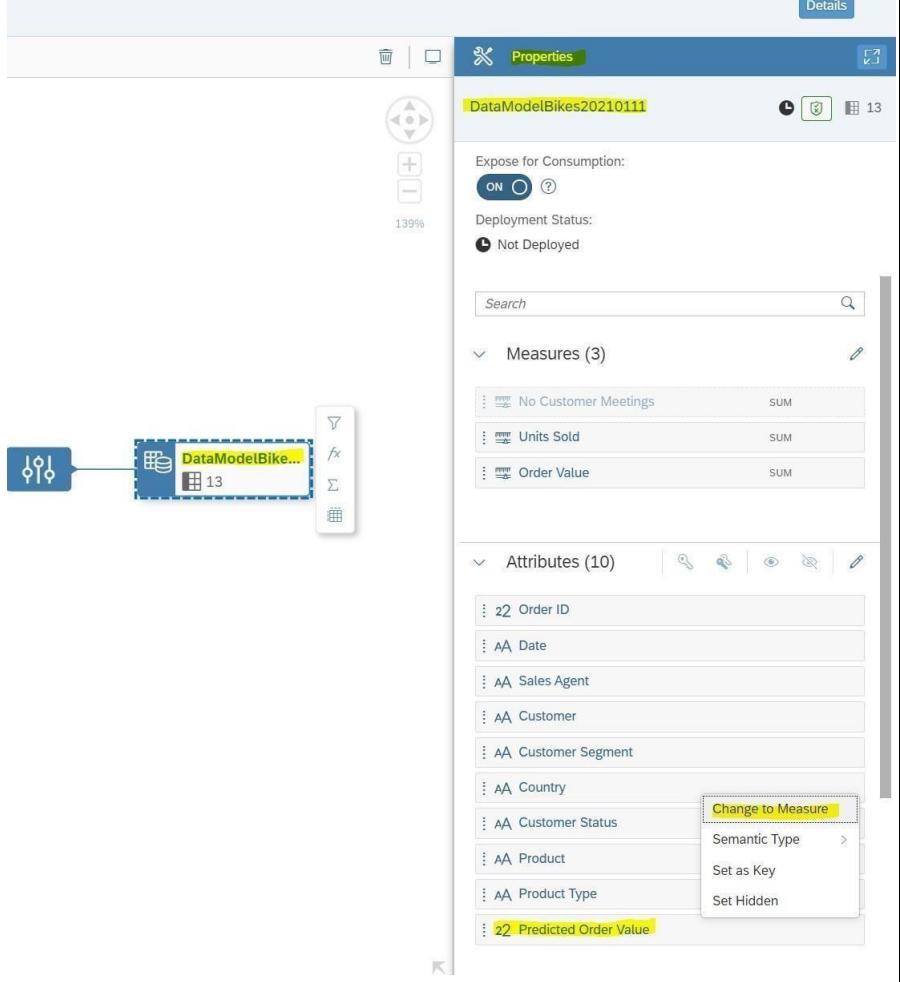
Actions	Screenshots and Explanation
	
21. • Under “Repository” open → “Tables”	
22. • Drag and drop the table “DataSetBikes202101111” into the Canvas.	

Actions	Screenshots and Explanation
23. <ul style="list-style-type: none"> <li>• Do the following changes to the Properties of the Data Model:</li> <li>• Enter Business Name: "DataModelBikes#current date#"</li> </ul>	
24. <ul style="list-style-type: none"> <li>• Change Type from "Relational Dataset" to "FACT".</li> </ul>	 <p>• FACT is new Semantic Usage type usage of Fact to indicate that your entity contains numerical measures that can be analyzed.</p>

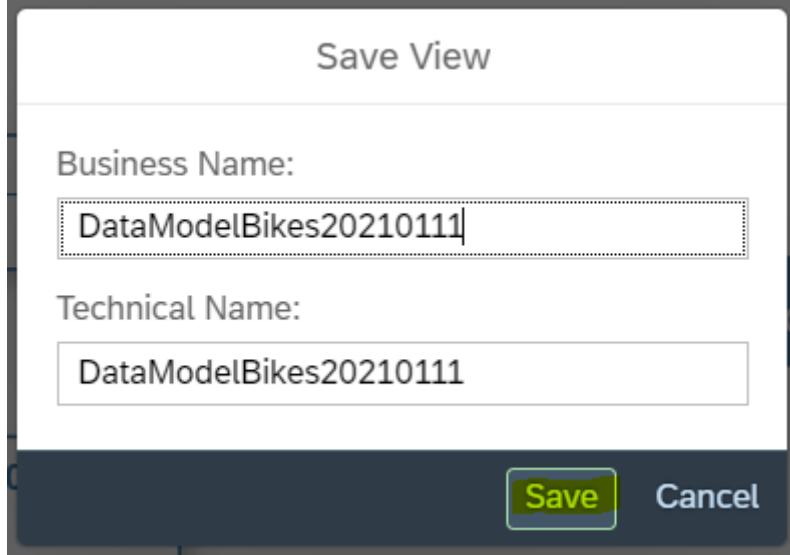
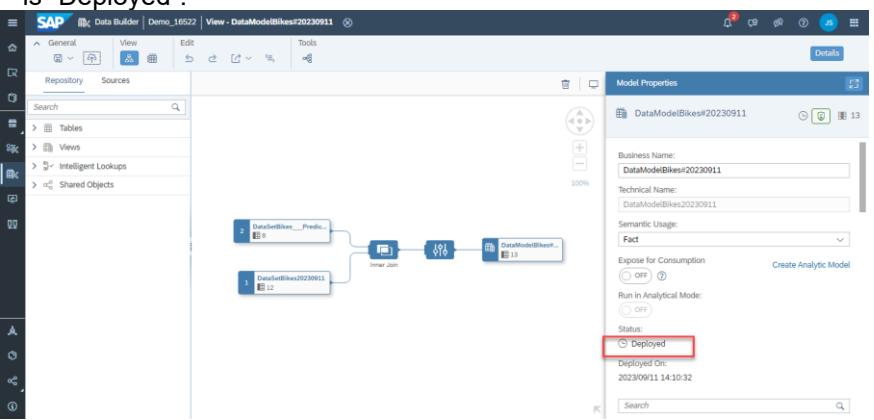
	<b>Actions</b>	<b>Screenshots and Explanation</b>
25	<ul style="list-style-type: none"> <li>Click on the right-hand side of the Attributes:</li> <li>With Control + Left Hand Mouse button on “No of Customer Meetings”, “Units Sold” and “Order Value”.</li> <li>And change each of those three Attributes to be a Measure: “Change to Measure”.</li> </ul>	 

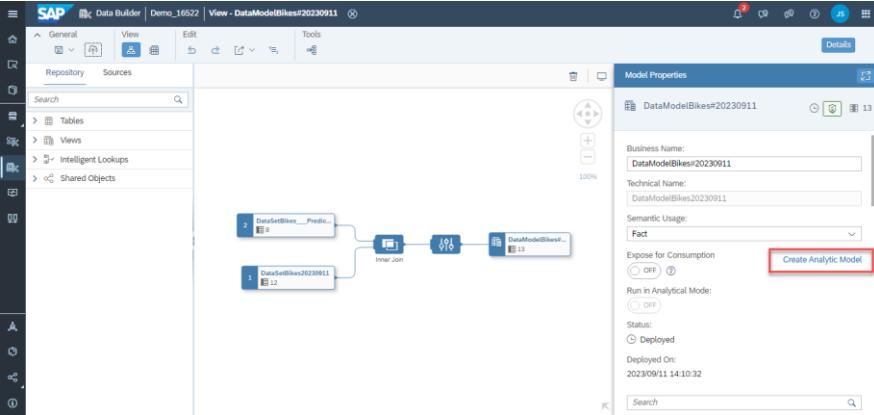
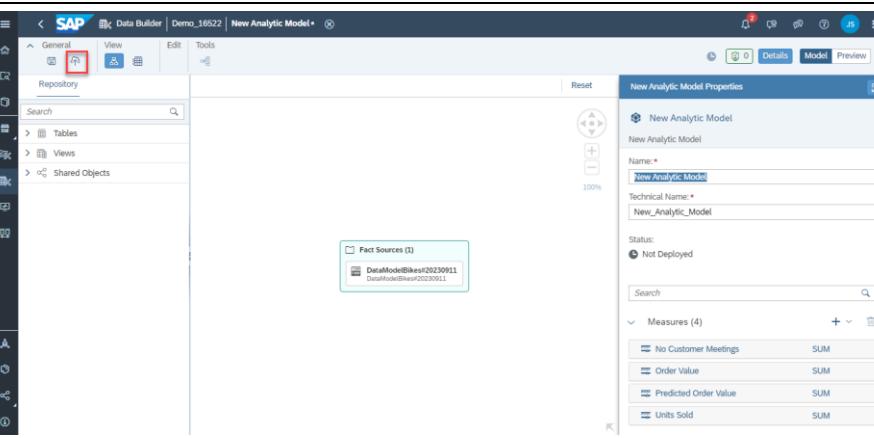
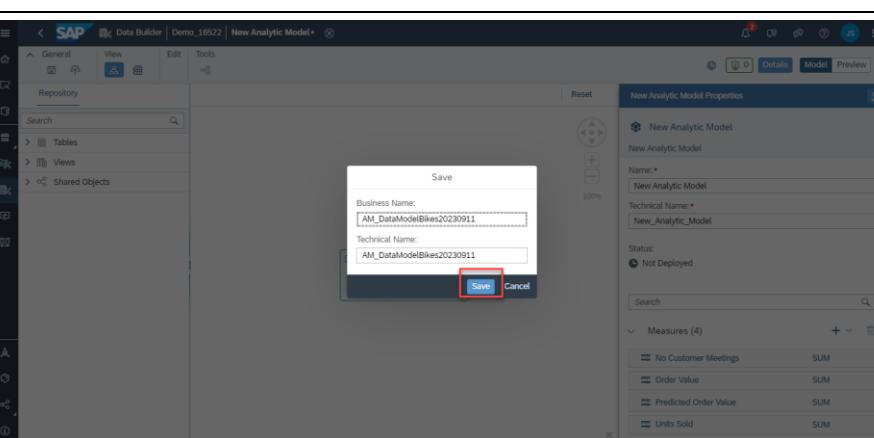
26	<p>• Drag and drop the prepared local table “DataSetBikes Predictions” directly onto the object “DataSetBikes20210111” into the Canvas. This leads to the decision: “Join” or “Union”.  • Choose “Join”.</p> <p>In a next step we want to add a further Data Set into this Data Model: The current Data Set Bikes (is about actual order data) should be joined with Data Set Bikes Predictions.</p>  
27	<p>• Choose “Inner” as Join Type, define Mappings from “AA Date” to “AA Date” and “AA Customer” to “AA Customer”.</p> <p>This action automatically creates an icon “” to specify a Join between both objects:</p>

	Actions	Screenshots and Explanation
		
28	<ul style="list-style-type: none"> <li>Next open the icon “” to define the columns not needed to be hidden in the output.</li> </ul>	
29	<ul style="list-style-type: none"> <li>Go back to the Properties of the Output of “DataModelBikes20210111 1” and change “Predicted_Order_Value” to be a Measure, too.</li> </ul>	<p>See that some columns are automatically hidden.</p> 

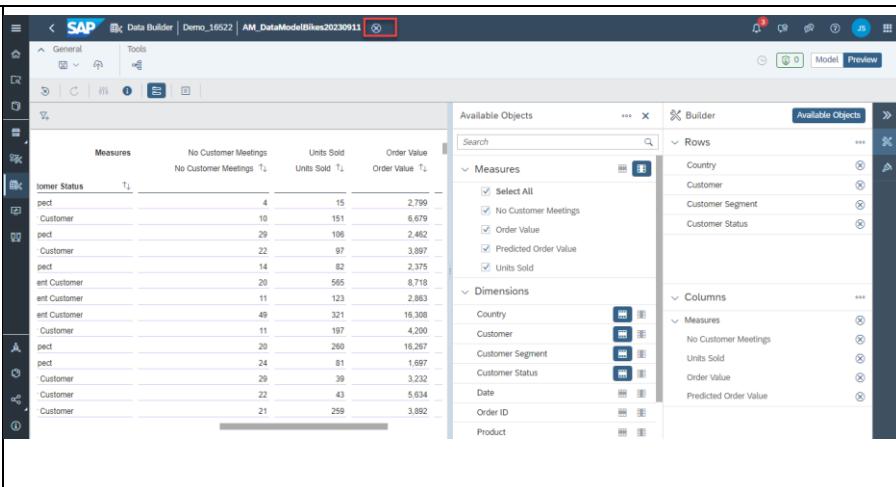
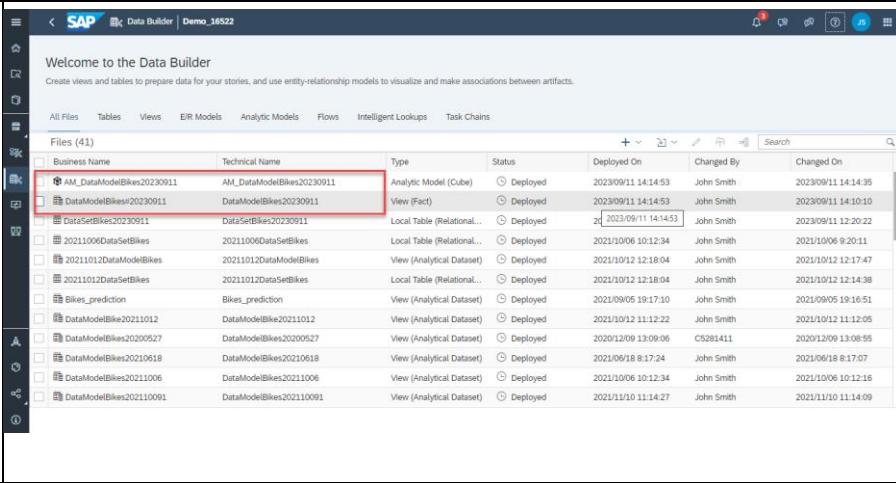
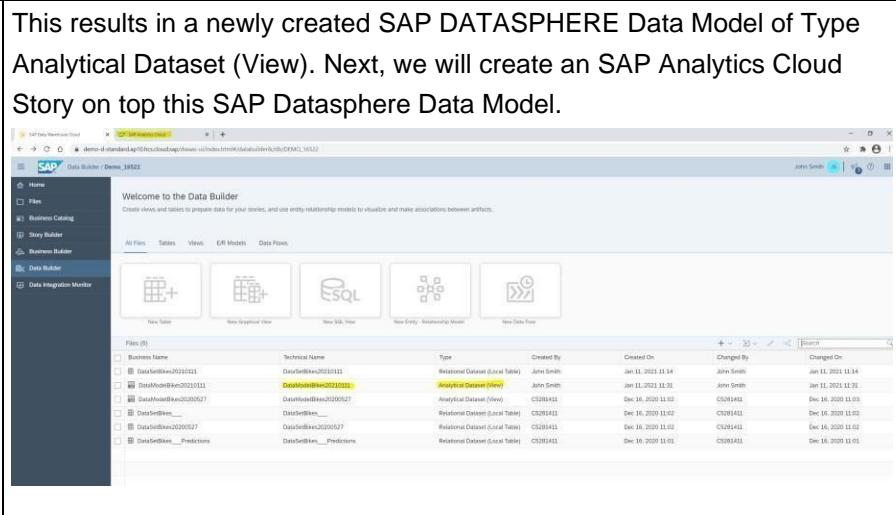
Actions	Screenshots and Explanation
30 <ul style="list-style-type: none"> <li>• Press “...” next to “Predicted_Order_Value”.</li> <li>• Click on “Change to Measure”.</li> </ul>	 <p>The screenshot shows the SAP Analytics Cloud interface for managing a data model named "DataModelBikes20210111". The "Properties" tab is selected. In the "Measures" section, three measures are listed: "No Customer Meetings" (SUM), "Units Sold" (SUM), and "Order Value" (SUM). In the "Attributes" section, ten attributes are listed: Order ID, Date, Sales Agent, Customer, Customer Segment, Country, Customer Status, Product, Product Type, and Predicted Order Value. A context menu is open for the "Predicted Order Value" attribute, with the "Change to Measure" option highlighted.</p>

	<b>Actions</b>	<b>Screenshots and Explanation</b>
31	<ul style="list-style-type: none"> <li>Pressing the icon “ ” leads to Data Preview: a chance to check the data and settings of this Data Model.</li> </ul>	<p>The screenshot shows the SAP Data Builder interface. On the left, the navigation bar includes Home, Files, Business Catalog, Story Builder, Business Builder, Data Builder (selected), and Data Integration Monitor. The main area shows a graphical view of a data model with nodes like 'Data Model' and 'Data Preview'. The right side is the 'Properties' panel for 'DataModelBikes20210111'. It shows the model is exposed for consumption (ON) and not deployed. The 'Measures' section lists four measures: 'No Customer Meetings' (SUM), 'Units Sold' (SUM), 'Order Value' (SUM), and 'Predicted Order Value' (SUM). The 'Attributes' section lists nine attributes: 'Order ID', 'Date', 'Sales Agent', 'Customer', 'Customer Segment', 'Country', 'Customer Status', 'Product', and 'Product Type'. Below the properties panel, a preview table titled 'Data Preview: DataSetBikes20210111 [1000]' shows data from two datasets. The columns are Customer, Product, Product Type, No Customer Meetings, Units Sold, Order Value, and Predicted Order Value. The data includes rows for different customers, products (C900 Bike, Mountain), and various values for each metric.</p>
32	<ul style="list-style-type: none"> <li>Now you can “Deploy” the new Data Model.</li> <li>Click “Deploy”.</li> </ul>	<p>The Data Preview looks correct. As expected, the Data Model joins actual Order_Values with Predicted_Order_values. Thus, they can be analyzed in detail in SAP Analytics Cloud later on.</p> <p>This screenshot shows the graphical view after deployment. The preview table now displays a single dataset where the two original datasets have been joined. The columns are Customer, Product, Product Type, No Customer Meetings, Units Sold, Order Value, and Predicted Order Value. The data shows the actual Order Value and the Predicted Order Value for each row, allowing for direct comparison and analysis.</p>

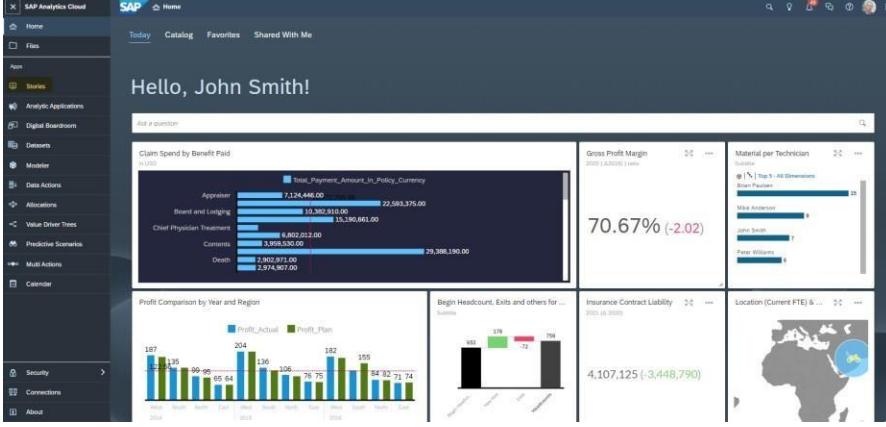
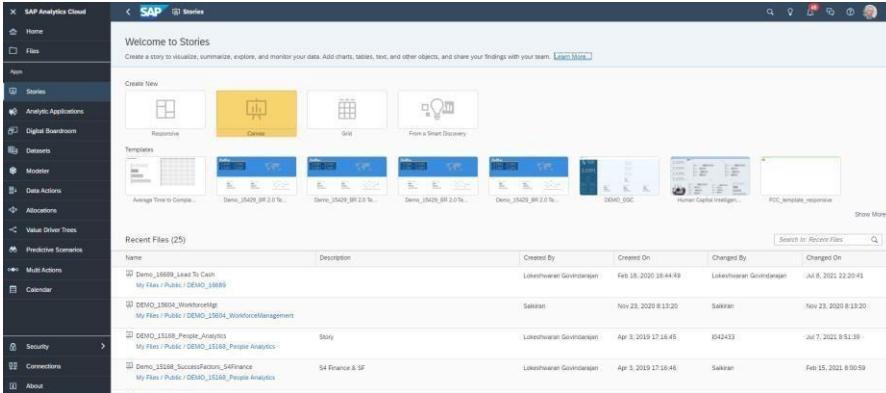
	<b>Actions</b>	<b>Screenshots and Explanation</b>
33	<ul style="list-style-type: none"> <li>Click on “Save”.</li> </ul>	 <p><b>Note:</b> This screen is old one more recent model has new name DataModelBikes20230911 (FACT as semantic type)</p>
34	<ul style="list-style-type: none"> <li>See that FACT View has been deployed.</li> <li>At the Deployment Status on the right, you can see: the new Data Model is “Deployed”.</li> </ul>	

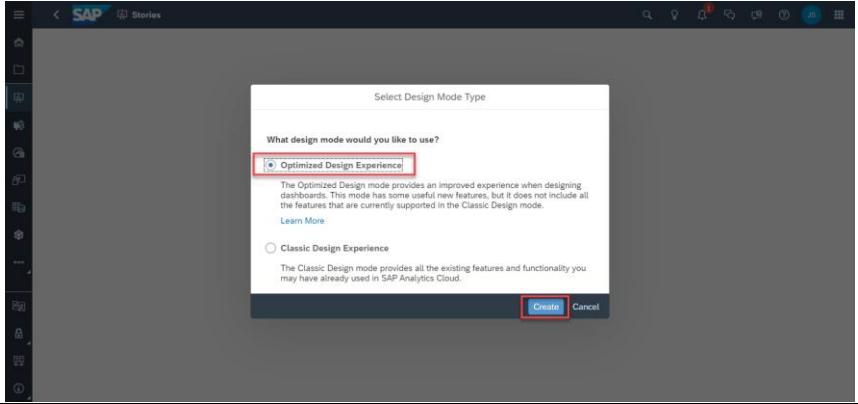
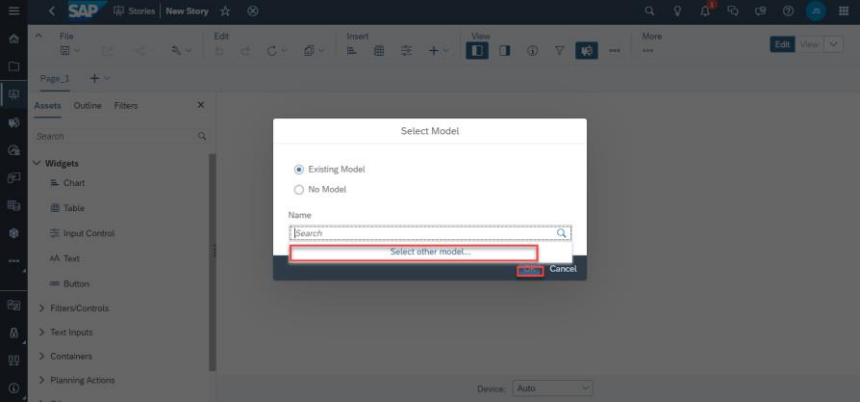
	<b>Actions</b>	<b>Screenshots and Explanation</b>
35	● Click on Create Analytic Model	 <p>Analytic models are the analytical foundation for making data ready for consumption in SAP Analytics Cloud. They allow you to create and define multi-dimensional models to provide data for analytical purposes to answer different business questions. Pre-defined measures, hierarchies, filters, parameters, and associations provide flexible and simple navigation through the underlying data.</p>
36	● Click on Deploy	
37	● Click on Save	

	<p>The screenshot shows the SAP Data Builder interface with the title bar "SAP Data Builder Demo_16522 AM_DataModelBikes20230911". The left sidebar has sections for General, View, Edit, Tools, and Repository. The Repository section shows "Fact Sources (1)" with "DataModelBikes20230911" selected. The main area displays the properties of the data model, including its name "AM_DataModelBikes20230911", technical name "AM_DataModelBikes20230911", and status "Deployed" (which is highlighted with a red box). Below the status is a "Search" field and a list of "Measures (4)" with their respective descriptions and aggregation levels.</p>
38	<ul style="list-style-type: none"> <li>Click on Preview</li> </ul> <p>The screenshot shows the SAP Data Builder interface with the title bar "SAP Data Builder Demo_16522 AM_DataModelBikes20230911". The right side of the screen shows the "Properties" panel for the data model. The "Preview" tab is highlighted with a red box in the top navigation bar. The rest of the interface is similar to the previous screenshot, showing the repository and measure list.</p>
39	<ul style="list-style-type: none"> <li>Click on ROWS to selected Dimensions</li> </ul> <p>The screenshot shows the SAP Data Builder interface in preview mode. The title bar is "SAP Data Builder Demo_16522 AM_DataModelBikes20230911". On the right, the "Available Objects" panel is open, showing sections for Measures, Dimensions, and Columns. The "Dimensions" section is expanded, showing "Country", "Customer", "Customer Segment", and "Customer Status", all of which are highlighted with a red box. The "Rows" tab is highlighted with a red box in the top navigation bar. The main area shows a table with data rows for different customer segments and their associated measures.</p>
	<p>The screenshot shows the SAP Data Builder interface in preview mode. The title bar is "SAP Data Builder Demo_16522 AM_DataModelBikes20230911". The "Available Objects" panel is open, and the "Columns" tab is highlighted with a red box in the top navigation bar. The "Dimensions" section is also highlighted with a red box. The main area shows a table with data rows for different dimensions like Country, Customer, etc., and their associated measures.</p>

40	<ul style="list-style-type: none"> <li>Click on X</li> </ul>  <p>The screenshot shows the SAP Data Builder interface. On the left is a table with columns: Measures, No Customer Meetings, Units Sold, and Order Value. The data includes rows for Customer Status (e.g., Pect, Customer, Customer), Customer ID, and various numerical values. To the right is a sidebar titled 'Available Objects' containing sections for Measures, Dimensions, and Columns, each with a list of selected items.</p>
	 <p>The screenshot shows the SAP Data Builder interface with a list of files and artifacts. A specific item, 'AM_DataModelBikes20230911', is highlighted with a red box. The list includes various datasets, models, and views, each with details like Type, Status, Created On, and Changed By.</p>
41	<ul style="list-style-type: none"> <li>Click on the second tab "SAP Analytics Cloud".</li> </ul> <p>This results in a newly created SAP DATASPHERE Data Model of Type Analytical Dataset (View). Next, we will create an SAP Analytics Cloud Story on top this SAP Datasphere Data Model.</p>  <p>The screenshot shows the SAP Data Builder interface with a list of files and artifacts. A specific item, 'DataModelBikes20230911', is highlighted with a yellow box. The list includes various datasets, models, and views, each with details like Type, Created On, and Changed By.</p>

## 4.5 Create Story in SAC

	<b>Actions</b>	<b>Screenshots and Explanation</b>
42	<ul style="list-style-type: none"> <li>In SAC follow this path:</li> <li>Home → Story.</li> </ul>	 <p>The screenshot shows the SAP Analytics Cloud interface. On the left, there's a navigation sidebar with options like Home, Stories, Analytic Applications, Digital Dashboard, Datasets, Modeler, Data Actions, Allocations, Value Driver Trees, Predictive Scenarios, Multi Actions, and Calendar. Below that are Security, Connections, and About. The main area displays several dashboard tiles. One tile shows a bar chart titled 'Claim Spend by Benefit Paid' with categories like Appraiser, Board and Lodging, Chest Physician Treatment, Contests, and Death. Another tile shows 'Gross Profit Margin' at 70.67% with a note of -2.02. A third tile shows 'Material per Technician' with a bar chart for Top 5 / All Dimensions. Other tiles include 'Profit Comparison by Year and Region', 'Begin Headcount, Exits and others for ...', 'Insurance Contract Liability', and 'Location (Current PTE)'. The top right corner has a user profile icon.</p>
43	<ul style="list-style-type: none"> <li>Click on canvas and select add data.</li> </ul>	 <p>The screenshot shows the 'Welcome to Stories' screen. It features a 'Create New' section with four options: Responsive (blue), Canvas (yellow, selected), Grid (grey), and From a Smart Discovery (white). Below this are 'Templates' for Average Time to Complete, Demo_15429_BI 2.0 Te..., Demo_15429_BI 2.0 Te..., Demo_15429_BI 2.0 Te..., Demo_15429_BI 2.0 Te..., Demo_ESG, and Human Capital Intellige... with a 'FCC_template_response' link. At the bottom, there's a 'Recent Files (25)' list with items like 'Demo_16689_Lead To Cash', 'Demo_15604_WorkforceMgt', 'Demo_15184_PeopleAnalytics', and 'Demo_15184_SuccessFactors_SFFinance'. The top right has a 'Search in Recent Files' bar.</p>

	<b>Actions</b>	<b>Screenshots and Explanation</b>
44	<ul style="list-style-type: none"> <li>Choose “Optimized Design Experience”.</li> </ul>	
45	<ul style="list-style-type: none"> <li>Click on Select Other Model</li> </ul>	

46

- Select Connection as SAPDWC

Select Dataset or Model			
SAPDWC			
DWCUS	Name	Description	Owner
DWCUS10	DEMO_19007	DEMO_19007	Raju Kota
FREODWC	I856364_SHARKSSPORT2	I856364_SHARKSSPORT2	Nathan Qi
SAPCOMMUNI	I856364_SHARKSPORTS	I856364_SharksSports	Raju Kota
<b>SAPDWC</b>	<b>SAP_COMMUNITY</b>	<b>SAP_COMMUNITY</b>	Raju Kota
SAPDWCEU	SAP_CONTENT	SAP_CONTENT	Raju Kota
TESTMW	TEST_DEL	TEST_DEL	Raju Kota
TWDWC	ZANALYTICS4DEMOS	ZAnalytics4Demos	Nathan Qi
ZDemoFound	ZASIAN_PAINTS	ZASIAN_PA	Raju Kota
	ZDBR_78599	ZGARTNER	Raju Kota
< 1 2 > Cancel			

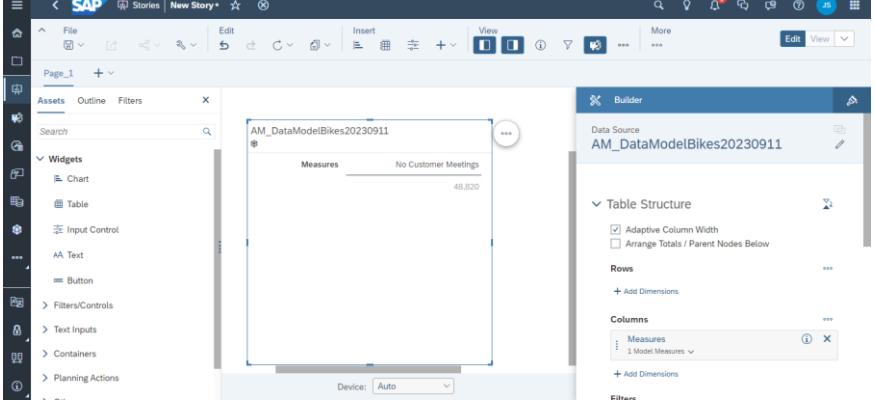
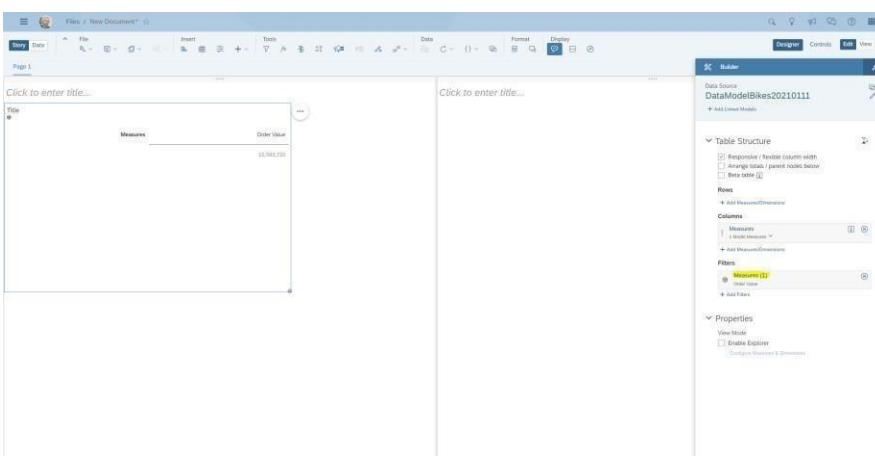
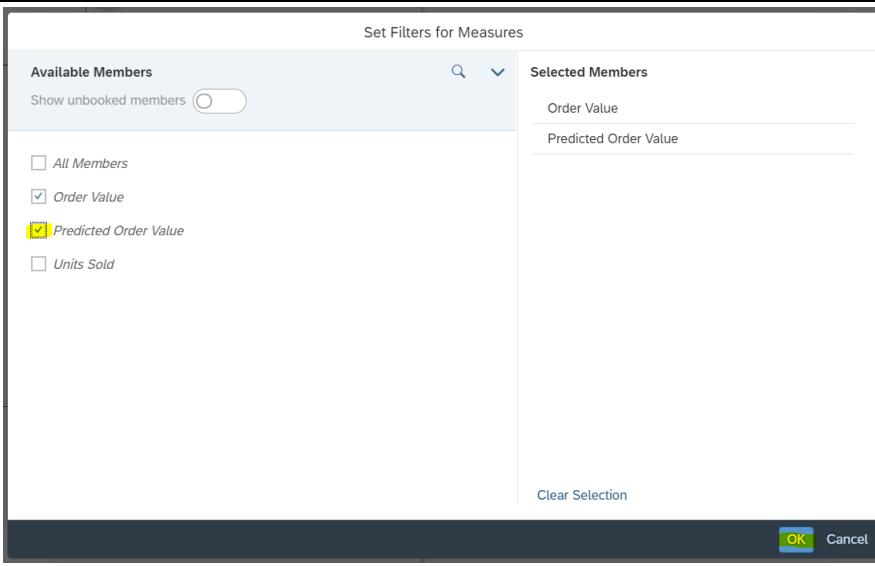
- Select space details as SAP\_COMMUNITY

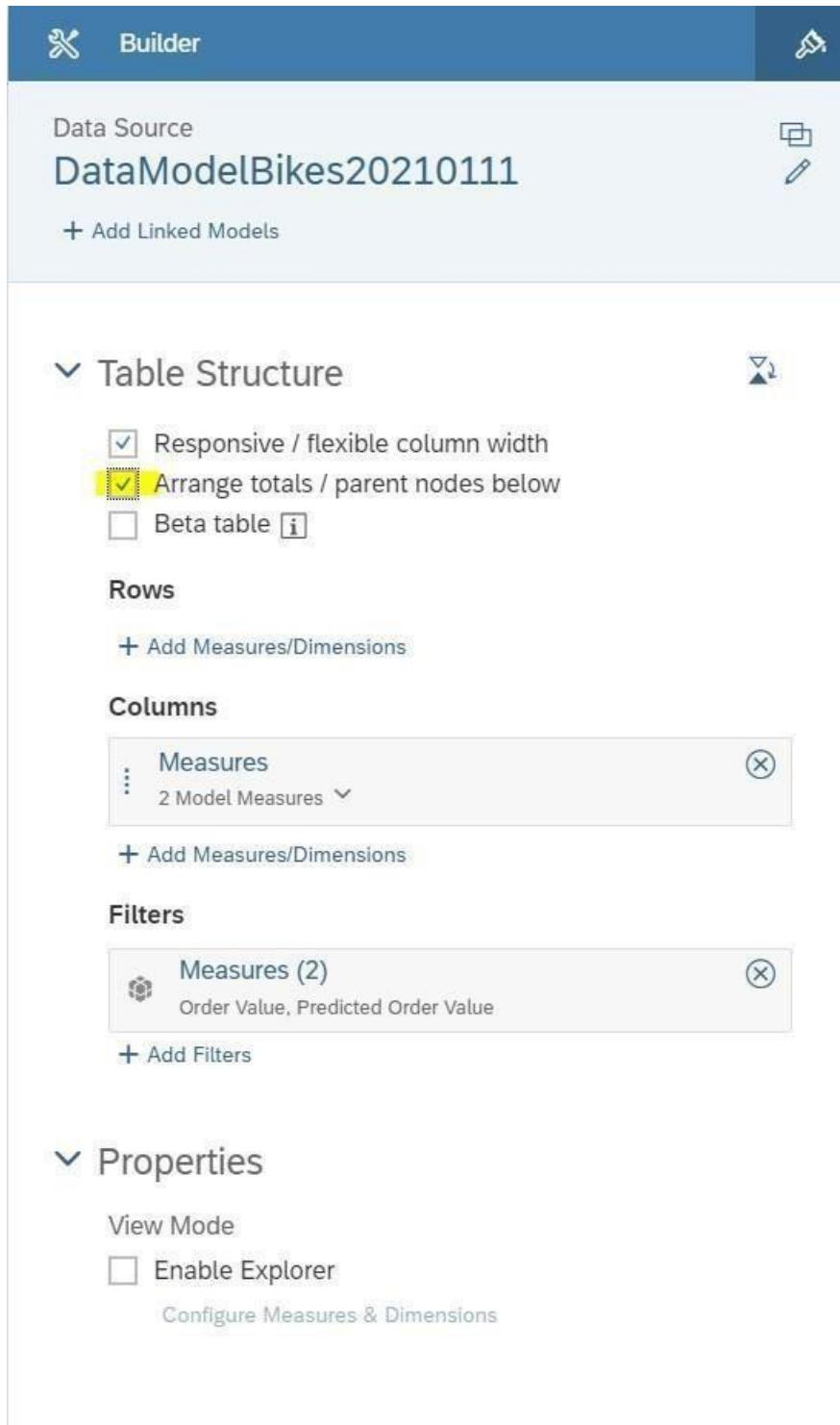
Select Dataset or Model			
SAPDWC / SAP_COMMUNITY			
DWCUS	Name	Description	Owner
DWCUS10	AM_DataModelBikes	AM_DataModelBikes	Narayana K
FREODWC			
SAPCOMMUNI			
<b>SAPDWC</b>			
SAPDWCEU			
TESTMW			
TWDWC			
ZDemoFound			
< 1 > Cancel			

47

- Select AM\_xxxxx as source for story

Select Dataset or Model			
SAPDWC / SAP_COMMUNITY			
DWCUS	Name	Description	Owner
DWCUS10	AM_DataModelBikes	AM_DataModelBikes	Narayana K
FREODWC			
SAPCOMMUNI			
<b>SAPDWC</b>			
SAPDWCEU			
TESTMW			
TWDWC			
ZDemoFound			
< 1 > Cancel			

Actions	Screenshots and Explanation
48	 <p>The screenshot shows a SAP Fiori Storyboard interface. A table is displayed with the title "AM_DataModelBikes20230911". The table has two columns: "Measures" and "No Customer Meetings". The value "49,820" is shown under the "Measures" column. To the right of the table, a "Builder" panel is open, showing the "Table Structure" with "Rows" and "Columns". The "Columns" section lists "Measures" and "Model Measures".</p>
49	<ul style="list-style-type: none"> <li>Click on “Measures (1)”. The Measures seem to be filtered.</li> </ul>  <p>The screenshot shows the same SAP Fiori Storyboard interface. The table now displays only one row under the "Measures" column, with the value "15,000,000". The "Builder" panel on the right shows the "Table Structure" with "Rows" and "Columns". The "Columns" section lists "Measures" and "Order Value".</p>
50	<ul style="list-style-type: none"> <li>Click on “Predicted Order Value”.</li> <li>Click “OK”.</li> </ul>  <p>The screenshot shows a modal dialog titled "Set Filters for Measures". The "Available Members" section contains checkboxes for "All Members", "Order Value", "Predicted Order Value", and "Units Sold". The "Selected Members" section contains "Order Value" and "Predicted Order Value". At the bottom of the dialog are "Clear Selection", "OK", and "Cancel" buttons.</p>

	<b>Actions</b>	<b>Screenshots and Explanation</b>
51	<ul style="list-style-type: none"> <li>Click cross at “Arrange totals / parent nodes below”.</li> </ul>	 <p>The screenshot shows the SAP Datasphere Builder interface. At the top, there's a toolbar with icons for search, builder, and export. Below it, the data source is set to "DataModelBikes20210111". Under "Table Structure", there are sections for "Rows" (with an "Add Measures/Dimensions" button) and "Columns" (which currently contains "Measures" and "2 Model Measures"). There are also sections for "Filters" (containing "Measures (2)" and "Order Value, Predicted Order Value") and "Properties" (with "View Mode" and "Enable Explorer" options). A note at the bottom states: "Note: Above screen showcase old SAP Datasphere model, but we can use newly created model to create a SAC story".</p>
52	<ul style="list-style-type: none"> <li>In “Measures” click “Add Calculation...”</li> </ul>	We would like to see totals and add a calculated Measure (Predicted Order Value – Order Value) to see how close the predictions were.

### Builder

Data Source  
**DataModelBikes20210111**

+ Add Linked Models

**Table Structure**

- Responsive / flexible column width
- Arrange totals / parent nodes below
- Beta table i

**Rows**

+ Add Measures/Dimensions

**Columns**

Measures

Thresholds

+ Add Measure

Add Calculation...

**Filters**

Measures

Order

+ Add Filter

Edit Calculations...

Add Measure Input Control...

Edit Member Order...

Display Options

Zero Suppression

Null Suppression

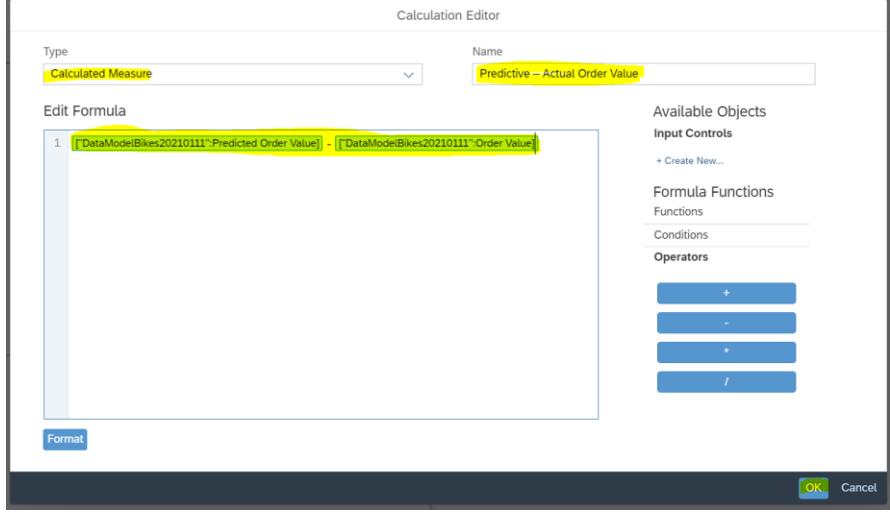
Rename

**Properties**

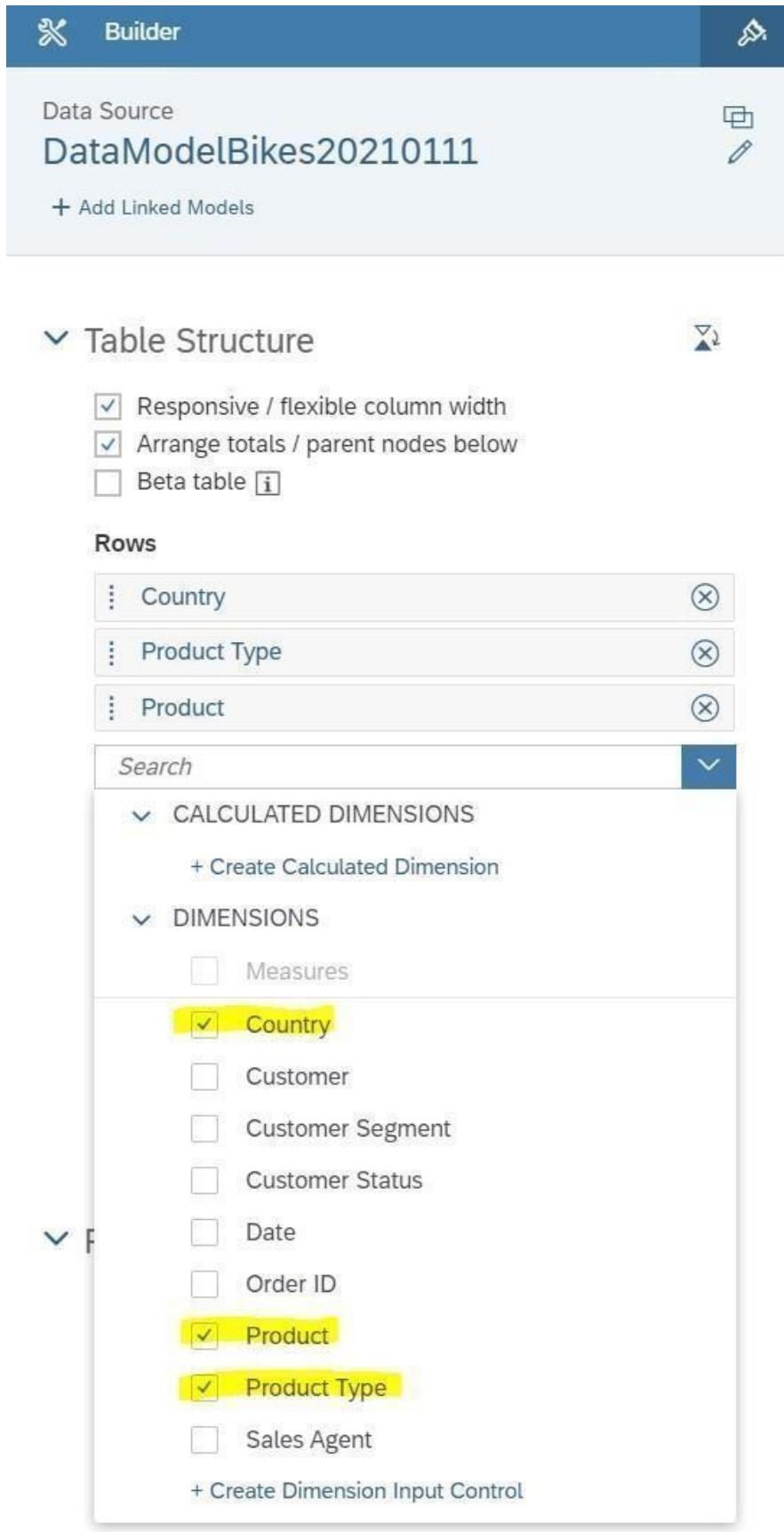
View Mode

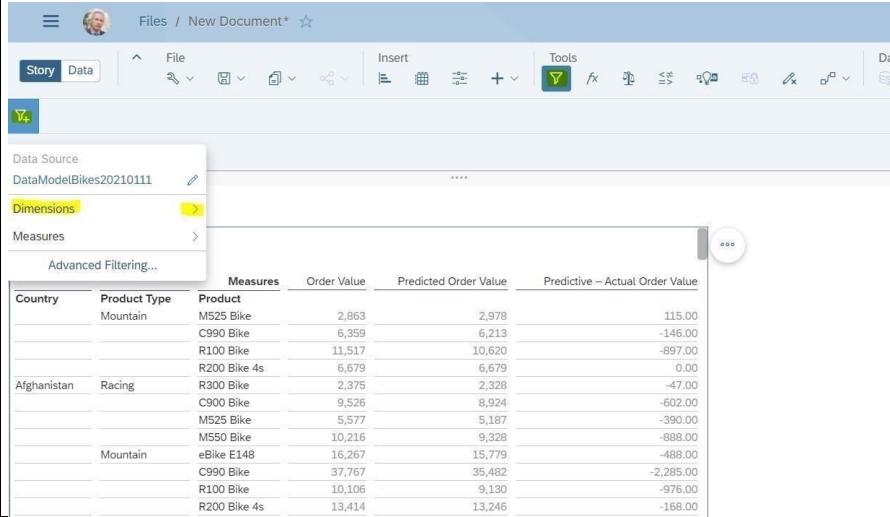
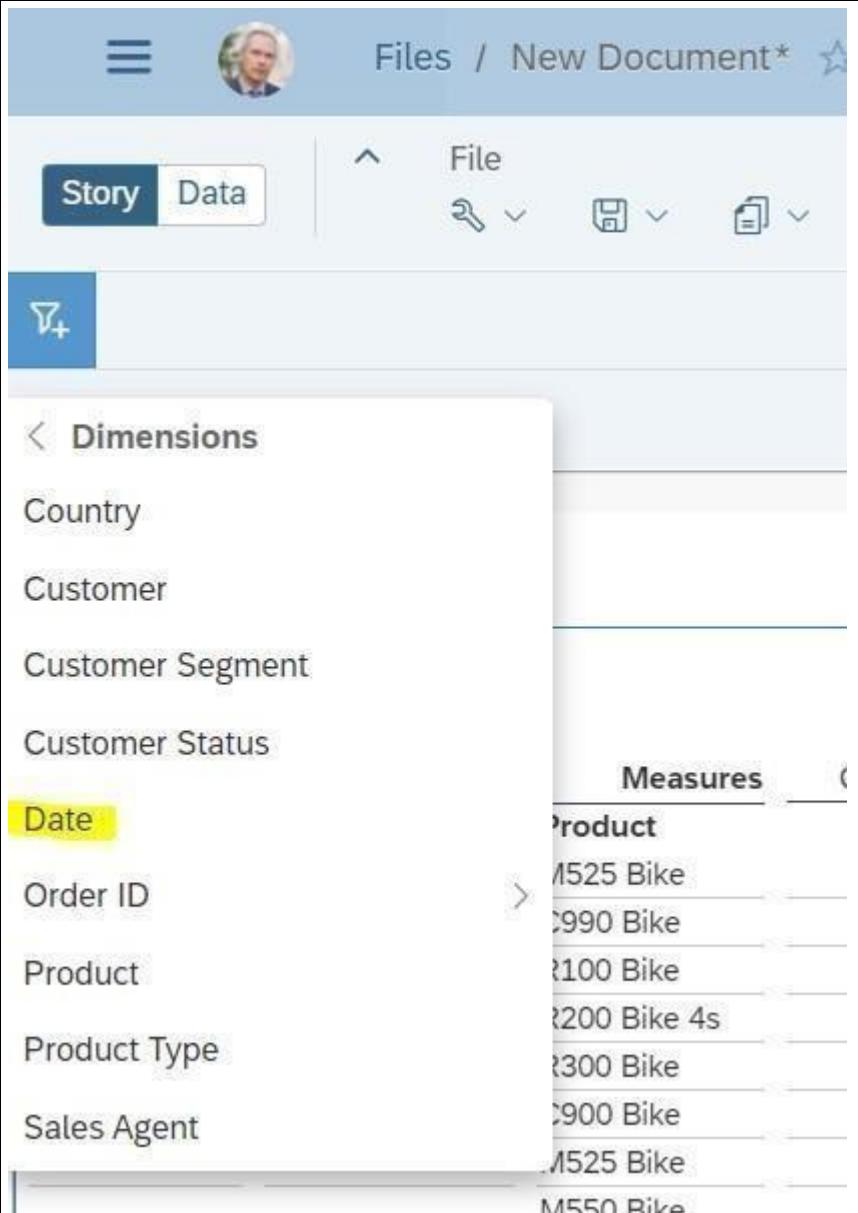
Enabled

Config

Actions	Screenshots and Explanation
53 <ul style="list-style-type: none"> <li>Specify the Type to be “Calculated Measure”, give the formula a Name: “Predictive – Actual Order Value” and Edit the Formula itself (Ctrl + Space leads to available formula objects).</li> <li>Click on “OK”.</li> </ul>	

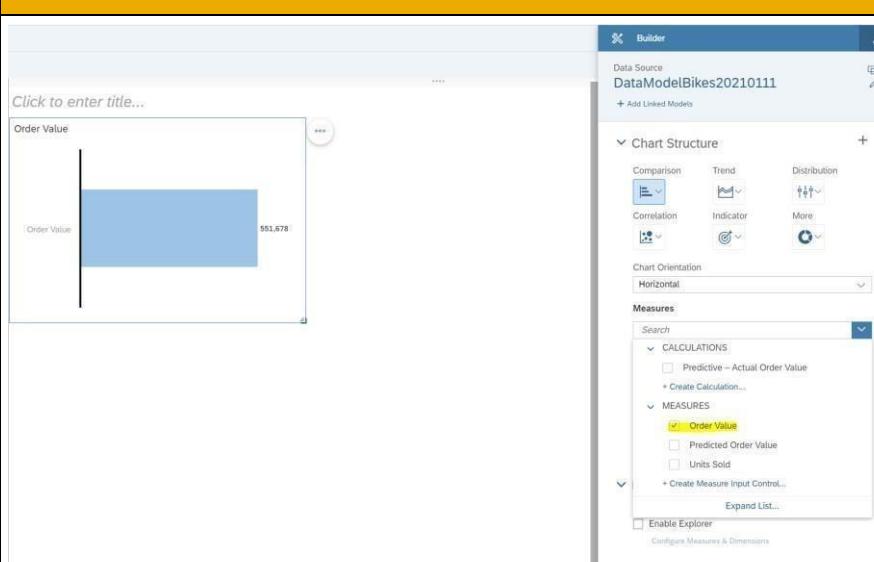
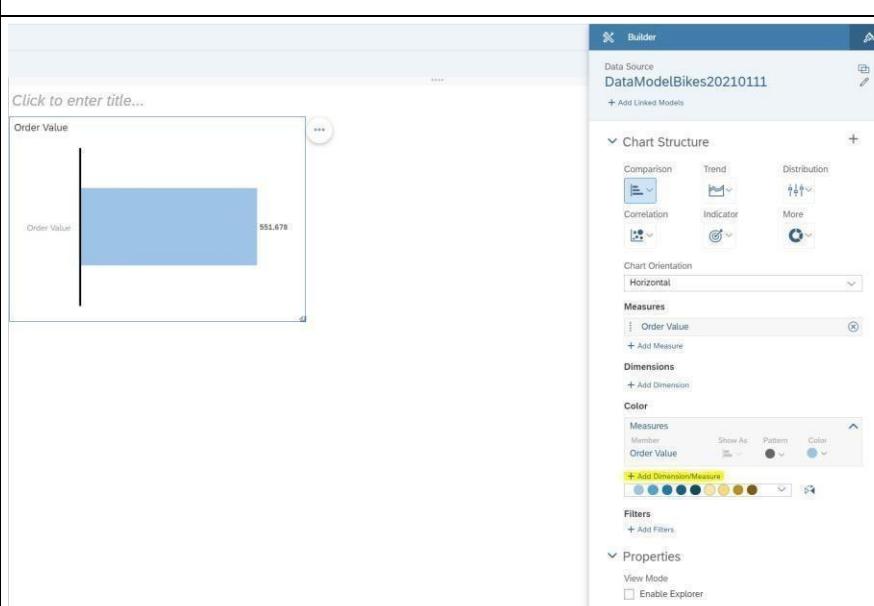
54	<ul style="list-style-type: none"><li>• And click on “+ Add Measures/Dimensions” into the Rows.</li></ul>
<p>The screenshot shows the Power BI Model Builder interface. At the top, it displays the Data Source as "DataModelBikes20210111". Below this, there are sections for "Table Structure", "Rows", "Columns", and "Filters". In the "Rows" section, the button "+ Add Measures/Dimensions" is highlighted with a yellow background. In the "Columns" section, there is a box labeled "Measures" containing "2 Model Measures" and "1 Story Calculations". In the "Filters" section, there is a box labeled "Measures (3)" containing "Order Value, Predicted Order Value, Predictive – Actual Order ...". The "Properties" section at the bottom includes "View Mode" and "Enable Explorer".</p>	

	<b>Actions</b>	<b>Screenshots and Explanation</b>
55	<ul style="list-style-type: none"> <li>• Choose “Country”, “Product Type”, “Product” in that sequence to appear in the Rows.</li> </ul>	 <p>The screenshot shows the Tableau Builder interface with the following details:</p> <ul style="list-style-type: none"> <li><b>Data Source:</b> DataModelBikes20210111</li> <li><b>Table Structure:</b> <ul style="list-style-type: none"> <li>Responsive / flexible column width (checked)</li> <li>Arrange totals / parent nodes below (checked)</li> <li>Beta table (unchecked)</li> </ul> </li> <li><b>Rows:</b> Country, Product Type, Product</li> <li><b>Dimensions:</b> <ul style="list-style-type: none"> <li>Measures (unchecked)</li> <li>Country (checked)</li> <li>Customer (unchecked)</li> <li>Customer Segment (unchecked)</li> <li>Customer Status (unchecked)</li> <li>Date (unchecked)</li> <li>Order ID (unchecked)</li> <li>Product (checked)</li> <li>Product Type (checked)</li> <li>Sales Agent (unchecked)</li> </ul> </li> </ul>

	<b>Actions</b>	<b>Screenshots and Explanation</b>
56	<ul style="list-style-type: none"> <li>Click on “Tools”, “Add Story Filter/Prompt”, Choose “Dimensions” &gt;”</li> </ul>	<p>We are only interested in the latest values in 2019 ... That's why we filter the complete story to a Date ...</p> 
57	<ul style="list-style-type: none"> <li>Choose “Date”</li> </ul>	

	<b>Actions</b>	<b>Screenshots and Explanation</b>
58	<ul style="list-style-type: none"> <li>Select “Sep-19” and click on “OK”.</li> </ul>	
59	<ul style="list-style-type: none"> <li>Right Hand Mouse button on the Column “OrderValue”</li> <li>Choose “Sort Options”</li> <li>Choose “Sort Descending”</li> </ul>	

	<b>Actions</b>	<b>Screenshots and Explanation</b>
60	● Enter “Products” and “Products in Sept 2019” as titles.	<p>The screenshot shows a Microsoft Word document with a table. The title bar says "Files / New Document". The table has columns: Country, Product Type, Product, Measures, Order Value, Predictive Order Value, and Predictive - Actual Order Value. The data includes various countries like China, United States, South Africa, Australia, United Kingdom, Korea, Argentina, Norway, Sweden, Bolivia, New Zealand, Lesotho, Nepal, Cambodia, Mexico, Paraguay, Saint Lucia, Costa Rica, Belize, Czech Republic, Venezuela, Canada, Sweden, Puerto Rico, Costa Rica, and Liberia. The table shows bike models like C900, R300, R500, R700, R900, and M500 with their respective order values and predictive metrics.</p>
61	● Position the cursor on the right-hand side of the document and click on “Chart” to insert a Chart.	<p>This screenshot is similar to the previous one, but the 'Chart' button in the ribbon is highlighted with a yellow box. A tooltip 'Click to enter title...' is visible above the chart area.</p>
62	● Add a Measure.	<p>The screenshot shows the 'Builder' interface for creating a chart. It includes sections for 'Title', 'Subtitle', 'Chart Structure' (with options for Comparison, Trend, Distribution, Correlation, Indicator, and More), 'Measures' (with '+ Add Measure'), 'Dimensions' (with '+ Add Dimension'), 'Color' (with a color palette), 'Filters' (with '+ Add Filters'), and 'Properties' (with 'View Mode' and 'Enable Explorer').</p>

	<b>Actions</b>	<b>Screenshots and Explanation</b>
63	• Choose “Order Value”.	 <p>The screenshot shows the Power BI Builder interface. On the left, there is a chart area with a single blue bar labeled 'Order Value' and the value '551,678'. Above the chart, it says 'Click to enter title...'. To the right of the chart is the 'Builder' ribbon. Under the 'Data Source' section, 'DataModelBikes20210111' is selected. In the 'Chart Structure' pane, 'Order Value' is selected under the 'Measures' section. Other options like 'Predictive - Actual Order Value' and 'Create Calculation...' are also visible.</p>
64	• Add Dimension/Measure.	 <p>This screenshot is similar to the previous one, showing the Power BI Builder interface with a single bar chart for 'Order Value'. However, the 'Measures' section in the 'Builder' ribbon is now expanded, showing 'Order Value' and a '+ Add Measure' button. The rest of the interface remains the same, including the chart structure and data source details.</p>

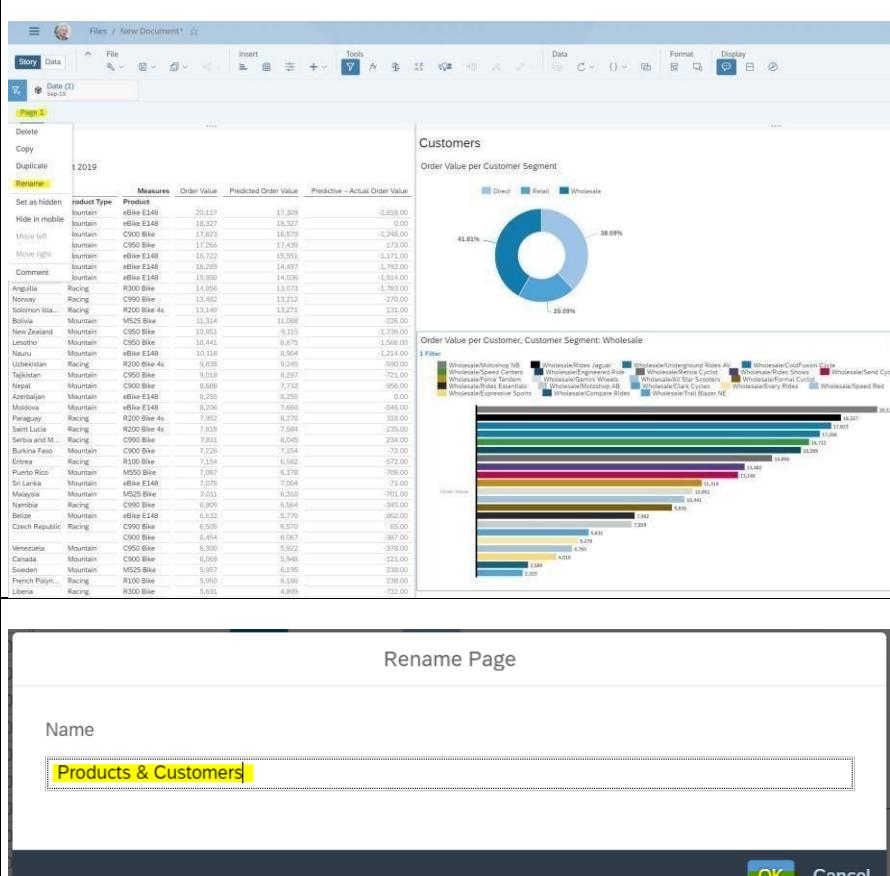
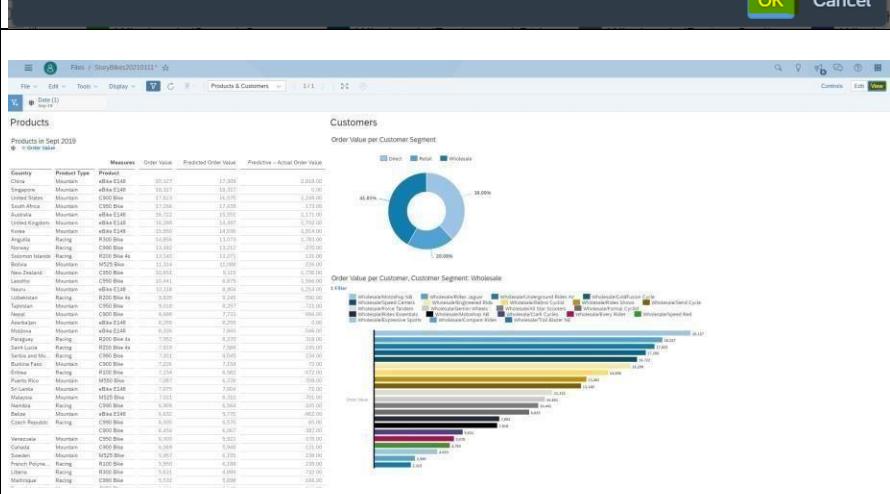
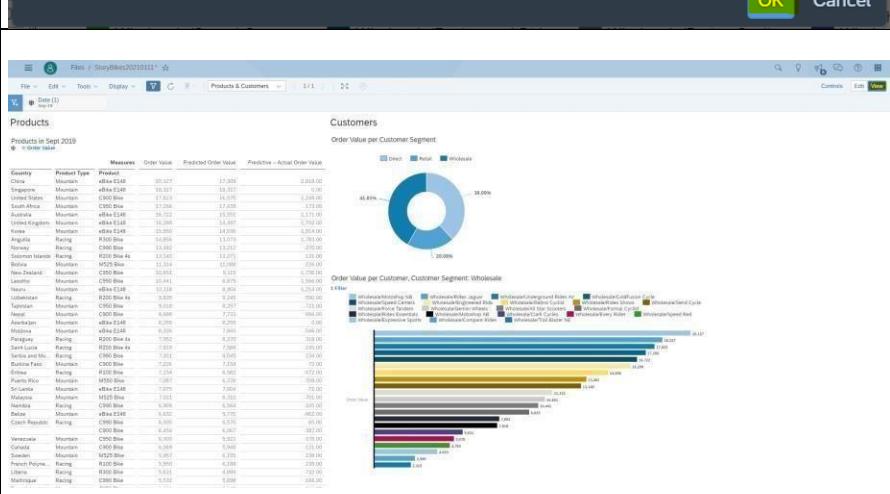
	<b>Actions</b>	<b>Screenshots and Explanation</b>								
65	<ul style="list-style-type: none"> <li>Choose the Dimension "Customer Segment".</li> </ul>	<p>The screenshot shows a bar chart titled "Order Value per Customer Segment". The chart has three bars representing "Direct", "Retail", and "Wholesale". The values are 210,151, 110,859, and 230,668 respectively. The "Customer Segment" dimension is selected in the dimensions panel on the right.</p> <table border="1"> <thead> <tr> <th>Customer Segment</th> <th>Order Value</th> </tr> </thead> <tbody> <tr> <td>Direct</td> <td>210,151</td> </tr> <tr> <td>Retail</td> <td>110,859</td> </tr> <tr> <td>Wholesale</td> <td>230,668</td> </tr> </tbody> </table>	Customer Segment	Order Value	Direct	210,151	Retail	110,859	Wholesale	230,668
Customer Segment	Order Value									
Direct	210,151									
Retail	110,859									
Wholesale	230,668									
66	<ul style="list-style-type: none"> <li>Change colors</li> </ul>	<p>The screenshot shows the same bar chart as the previous one, but with different colors assigned to the segments. The "Customer Segment" dimension is still selected in the dimensions panel on the right.</p> <table border="1"> <thead> <tr> <th>Customer Segment</th> <th>Order Value</th> </tr> </thead> <tbody> <tr> <td>Direct</td> <td>210,151</td> </tr> <tr> <td>Retail</td> <td>110,859</td> </tr> <tr> <td>Wholesale</td> <td>230,668</td> </tr> </tbody> </table>	Customer Segment	Order Value	Direct	210,151	Retail	110,859	Wholesale	230,668
Customer Segment	Order Value									
Direct	210,151									
Retail	110,859									
Wholesale	230,668									

	<b>Actions</b>	<b>Screenshots and Explanation</b>
67	• Choose the Chart Structure “Donut”.	<p>The screenshot shows a horizontal bar chart titled "Order Value per Customer Segment". The chart has three segments: Direct (light blue), Retail (medium blue), and Wholesale (dark blue). The values are 210,181, 110,899, and 230,668 respectively. The chart structure panel on the right shows "Comparison" selected under "Chart Structure".</p>
68	• Insert a further chart.	<p>The screenshot shows a horizontal bar chart and a donut chart side-by-side. The donut chart is highlighted with a yellow box. The chart structure panel on the right shows "Donut" selected under "Chart Structure".</p>
69	• Add the Measure “Order Value”.	<p>The screenshot shows a horizontal bar chart and a donut chart. The donut chart is highlighted with a yellow box. The chart structure panel on the right shows "Order Value" selected under "MEASURES".</p>

	<b>Actions</b>	<b>Screenshots and Explanation</b>
70	• Add the dimension, "Customer_Segment".	<p>The screenshot shows a Microsoft Power BI interface. On the left is a data grid titled 'Order Value' with columns for Product Type, Product, Measures, Order Value, Predicted Order Value, and Predictive - Actual Order Value. On the right are two charts: a donut chart titled 'Order Value per Customer Segment' showing proportions for Direct, Retail, and Wholesale, and a horizontal bar chart titled 'Order Value' showing the total order value for each segment.</p>
71	• Click on "+ Add Filters".	<p>This screenshot shows the same Microsoft Power BI interface as the previous one, but with a focus on the 'Chart Structure' pane. In the 'Dimensions' section, 'Customer_Segment' is highlighted with a yellow selection bar. A 'Filters' section is also present on the right side of the interface.</p>
72	• Filter „Customer Segment“ to "Wholesale", click "OK".	<p>This screenshot shows a 'Set Filters for Customer Segment' dialog box. Under 'Available Members', there are checkboxes for 'Direct', 'Retail', and 'Wholesale', with 'Wholesale' checked. Under 'Selected Members', 'Wholesale' is listed. At the bottom, there are 'Settings for Users' checkboxes for 'Allow viewers to modify selections', 'Allow viewers to delete filter', and 'Hide in Controls Panel', along with a 'Multiple Selection' dropdown. Buttons for 'OK' and 'Cancel' are at the bottom right.</p>

	Actions	Screenshots and Explanation
73	• Add a Dimension/Measure.	
74	• Select “Customer”	

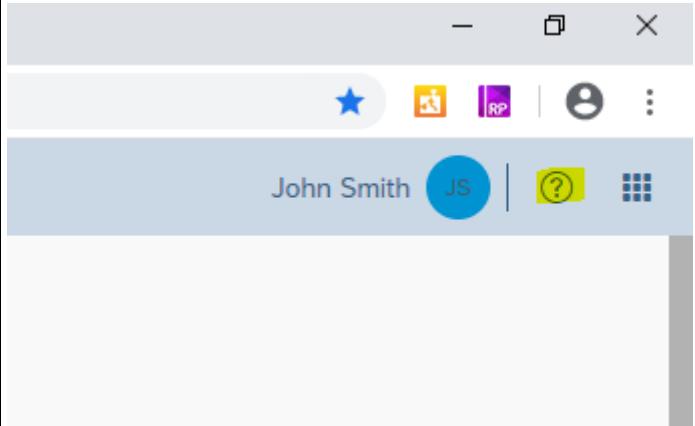
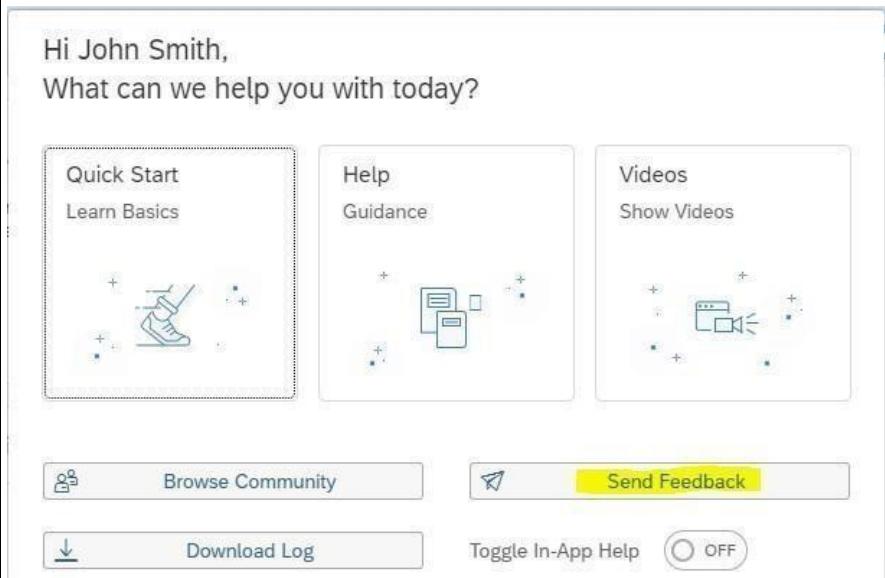
	ACTIONS	Screenshots and Explanation
75	<ul style="list-style-type: none"> <li>Sort Customer Order Values from Highest to Lowest.</li> </ul>	<p>The screenshot shows a Power BI report with two visualizations. The top visualization is a donut chart titled 'Order Value per Customer Segment' with segments for Direct (41.81%), Retail (38.09%), and Wholesale (20.09%). The bottom visualization is a horizontal bar chart titled 'Order Value per Customer, Customer Segment'. A context menu is open over the bars, specifically highlighting the 'Sort' option under 'Advanced Sorting...' which includes 'Customer Segment' and 'Order Value' with 'Highest to Lowest' selected.</p>
76	<ul style="list-style-type: none"> <li>Change title of second chart to: "Order Value per Customer, Customer Segment: Wholesale"</li> </ul>	<p>The screenshot shows the same Power BI report as above, but the horizontal bar chart has been renamed to 'Order Value per Customer, Customer Segment: Wholesale'. The chart displays order values for various customer segments, with the 'Wholesale' segment highlighted in blue.</p>
77	<ul style="list-style-type: none"> <li>Change the title of the document's right-hand side to "Customers".</li> </ul>	<p>The screenshot shows the Power BI interface with the right-hand pane renamed to 'Customers'. The report contains the same visualizations as the previous screenshots, including the donut chart and the renamed horizontal bar chart.</p>

	Actions	Screenshots and Explanation
78	<ul style="list-style-type: none"> <li>Click on “Page” → “Rename”.</li> </ul>	
79	<ul style="list-style-type: none"> <li>Enter “Products &amp; Customers”.</li> <li>Click “OK”.</li> </ul>	
80	<ul style="list-style-type: none"> <li>By clicking on “View” you can view your created SAC Story and do some navigations.</li> </ul>	

	Actions	Screenshots and Explanation
81	<ul style="list-style-type: none"> <li>Click on “Main Menu” → “Home” to leave the SAC Story.</li> </ul>	<p>The screenshot shows the SAP Datasphere interface with a main menu on the left and a dashboard on the right. The dashboard includes a pie chart labeled 'Customers' with segments Direct (41.81%), Retail (38.09%), and Wholesale (20.09%). Below it is a bar chart titled 'Order Value per Customer, Customer Segment: Wholesale' showing various categories like Wholesale/Motorcycle Hill, Wholesale/Polar Jaguar, etc., with their respective order values.</p>
82	<ul style="list-style-type: none"> <li>Click on “Leave” and do not save your SAC Story.</li> </ul>	<p>A modal dialog box with a yellow warning icon and the text "Warning". Below it says "You haven't saved your changes. Are you sure you want to leave?". At the bottom are three buttons: "Save &amp; Leave" (dotted outline), "Leave" (yellow background), and "Cancel".</p>

## 4.6 How to Share Feedback

	Actions	Screenshots and Explanation
83	<ul style="list-style-type: none"> <li>Explain (text on right hand side)</li> </ul>	<p>SAP Datasphere was built completely with the customer in mind. SAP made this application as collaborative and easy-to-use as possible, and SAP wants to evolve the product based on the growing needs of our customers. SAP takes feedback to heart, and SAP updates the product roadmap based on the needs of the customers.</p> <p>So, in case you have/has:</p> <ul style="list-style-type: none"> <li>- any suggestions for SAP</li> <li>- any features that should be added</li> <li>- it's here something you find especially useful and simply want to let SAP know.</li> </ul> <p>You can do that directly within SAP Datasphere. In order to leave feedback, proceed this way:</p>

	Actions	Screenshots and Explanation
84	<ul style="list-style-type: none"> <li>Click on “?” (= Help)</li> </ul>	
85	<ul style="list-style-type: none"> <li>Click on “Send Feedback”</li> </ul>	
86	<ul style="list-style-type: none"> <li>Enter your rating for your experience.</li> <li>Enter what you like and what could be improved by SAP.</li> <li>Click on “Send”.</li> </ul>	<p>Select which topic about which you'd like to leave a comment.</p> <p>Share Feedback</p> <p>How would you rate your experience?</p> <p></p> <p>What do you like?</p> <p><input type="text" value="It is great that SAP DWC can access Data in SAP S/4HANA in real time."/></p> <p>931 characters remaining</p> <p>What could we improve?</p> <p><input type="text" value="It is hard to understand how to work with ..."/></p> <p>955 characters remaining</p> <p><small>By providing feedback, you allow SAP to use it to improve its products.</small></p> <p><input type="button" value="Send"/> <input type="button" value="Cancel"/></p> <p>What you wrote will be sent directly to SAP, so SAP can begin taking action.</p>

	Actions	Screenshots and Explanation
87	<ul style="list-style-type: none"> <li>See that Feedback has been sent.</li> </ul>	 <p>SAP Data Warehouse Cloud Is Now SAP Datasphere! SAP Datasphere enables a business data fabric architecture that uniquely harmonizes relational critical data across the organization, unleashing business experts to make the most impactful decisions. It combines previously discrete capabilities into a unified service for data integration, cataloging, semantic modeling, data warehousing, and virtualizing workloads across SAP and non-SAP data.</p> <p>Welcome to SAP Datasphere</p>
88	<ul style="list-style-type: none"> <li>Click “Browse Community”</li> </ul>	<p>If you have further comments or would like to discuss your experience on SAP Datasphere, check out the SAP DATASPHERE Community. The community is the ultimate resource for users. Here, you'll be joined by your peers and SAP's experts in this place for learning and sharing. Here, you can ask questions, share your knowledge, and join discussions.</p> <p>Hi John Smith, What can we help you with today?</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>Quick Start Learn Basics</p>  </div> <div style="text-align: center;"> <p>Help Guidance</p>  </div> <div style="text-align: center;"> <p>Videos Show Videos</p>  </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <a href="#" style="border: 1px solid #ccc; padding: 5px 10px; color: inherit; text-decoration: none;">Browse Community</a> <a href="#" style="border: 1px solid #ccc; padding: 5px 10px; color: inherit; text-decoration: none;">Send Feedback</a> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="text-align: center;">  <span>Download Log</span> </div> <div style="text-align: center;"> <span>Toggle In-App Help</span> <input checked="" type="checkbox"/> OFF       </div> </div>

## 5 APPENDIX

### 5.1 Document update notes

Date	Notes
September 2023	Initial Community Content release

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