PUBLIC

SAP ANALYTICS CLOUD, ANALYTICS DESIGNER, IN ACTION

ANA362

Exercises / Solutions Marouene Ferchichi, Jie Deng, Christina Mast - SAP SE



TABLE OF CONTENTS

BEFORE YOU START	3
ANA362 EXERCISE 2	
Overview	
Part 1: Assign model to table and run the application & explore the different functionalities of the Generic Template.	
Part 2: Set the Data Model via URL Parameter, while running the application	17
Part 3: Use the SelectDataModelDialog to select a Model at Start time	2 1
Summary	25



BEFORE YOU START

Due to time constraints during the Hands-on session, it is recommended that you first take a look at the different exercises and then decide which ones you want to work through first.

Exercise 1: ANA362_Exercise_1 Estimated Duration: [90] minutes

With this exercise you are going to create a simple responsive analytical application and embed it into a HTML page and run it with your mobile phone.

Exercise 2: ANA362_Exercise_2 Estimated Duration: [45] minutes

With this exercise you will be able to explore and use the Generic Template. With this template you will have the possibility to select and modify your Data Set using the available functionalities.

.....

Exercise 3: AIN362_Exercise_3
Estimated Duration: [45] minutes

Here you are going to create a simple feedback to ask user to enter the rating of a web page and then calculate the average score of this web page.

You are going to leverage the responsive capability of analytics designer and integration with SAC planning capability to implement this scenario.

All the exercises are independent from each other. You can choose the exercise to work on based on your knowledge and interest.

Connect to Sap Analytics Cloud

you can directly type the following address in your Google Chrome:

https://ANA362.eu10.hcs.cloud.sap

ANA362 EXERCISE 2

Overview

Estimated time: [45] minutes

Objective

With this exercise you will be able to explore your dataset in real time via the Generic Template.

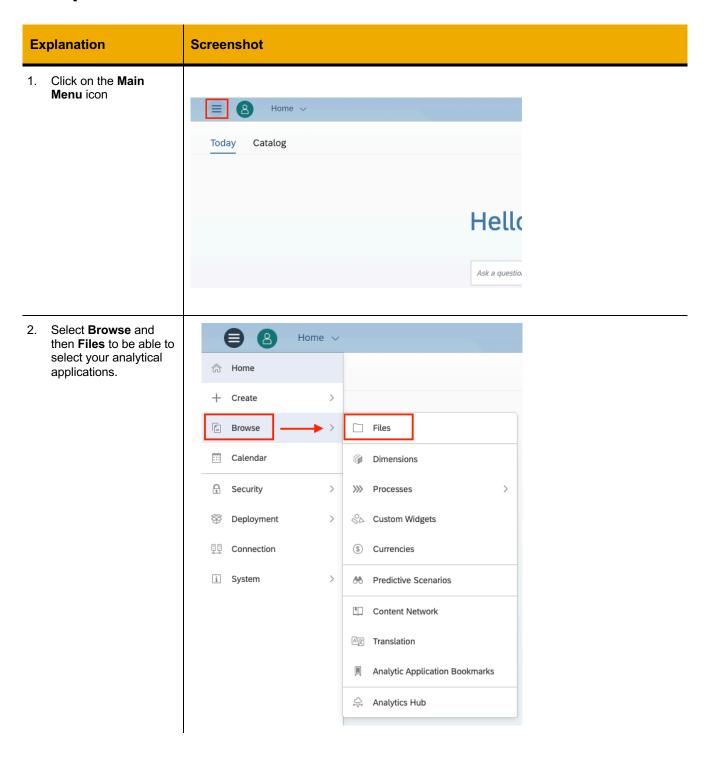
With this template you will have the possibility to select and modify your Data Set using the available functionalities.

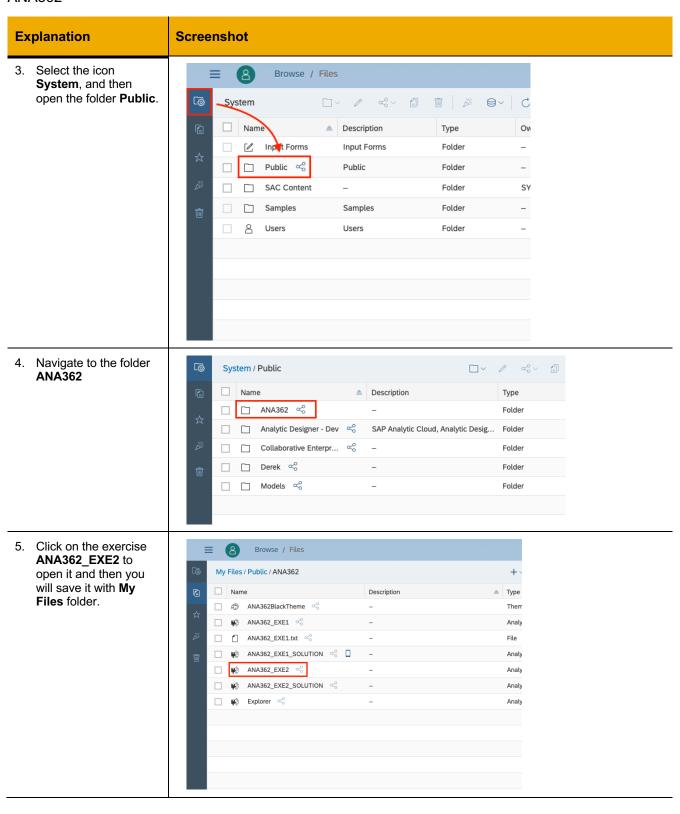
Exercise Description

You are going to execute the following steps within this exercise

- Assign model to table and run the application
- Set the Data Model via URL Parameter when you run the application
- Use the SelectDataModelDialog to select a Model at start time

Part 1: Assign model to table and run the application & explore the different functionalities of the Generic Template.





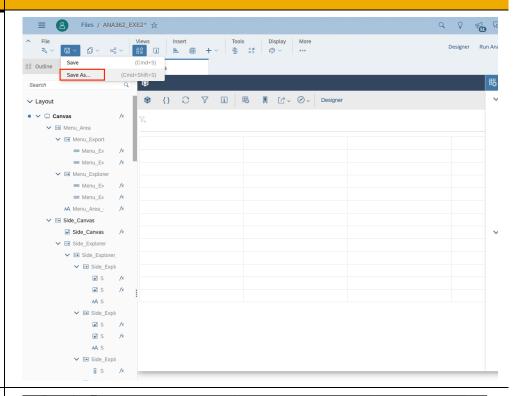
Explanation

Screenshot

6. Before you start the different steps of the exercise, first of all YOU SHOULD save the application under My Files and rename it so you can work on your own application.

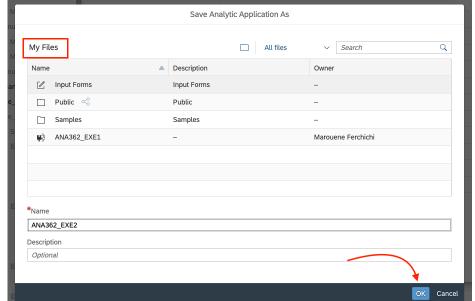
Click on the Save icon

→ Save As



7. Be sure that you are under the folder **My Files.**

Press **OK** and the application will be saved under your private folder **My Files**



Explanation Screenshot Now you can navigate Files / ANA362_EXE2* ☆ back to My Files again in order to see your Tools Display More ☆ Home application. i 00 <≠ => + Create □ Canvas Browse Files i Dimensions Calendar Calendar 睗 □ ✓ ✓ ✓ Desi ⊕ Security >>> Processes & Custom Widgets Deployment Connection S Currencies i System M Predictive Scenarios Content Network A Translation Analytic Application Bookmarks 🔍 Analytics Hub Click on the exercise 8 Browse / Files ANA362_EXE2 to open it within My Files +~ 🗀~ 🖋 🐾~ 1 1 8 C My Files folder. Description ≞ Type Created On Input Forms Input Forms Folder Oct 8, 2020 19:46 Public « Public Folder Oct 8, 2020 19:46 Samples Samples Folder Oct 8, 2020 19:46 AN 362_EXE1 Nov 9, 2020 16:40 **H**3 Analytic Application Marouene Ferchichi ANA362_EXE2 Analytic Application Marouene Ferchichi Nov 9, 2020 18:38

Explanation Screenshot Views Insert Tools Data Display □</td 10. As next, under Canvas → Main_Canvas → Content_Area, select the **Table**. ۱ ✓ Layout > • Menu_Area > Side_Canvas ✓ ■ Main_Canvas > • Header_Area > Maskbar_Area ✓ ☐ Content_Area > 🛅 Popups Scripting √ ⟨ a Script Variables (AllDimensionsFlag ⟨ allMeasuresFlag (Current_Bookmarks (Current_Connection (Current_ConnectionTy (a Current_DimensionOn (Current_DimensionOn (DimensionsDescription (DimensionsID 11. Toggle the Designer Designer Run Analytic Application panel to the Builder panel and click **Add** Model _Area Canvas _Canvas ontent_Area 7 FilterLine ∰ Table /× nsionsID_String_

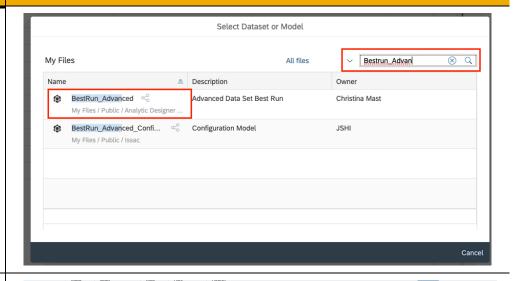
Explanation Screenshot

12. Now you need to select a **data source**. Please use

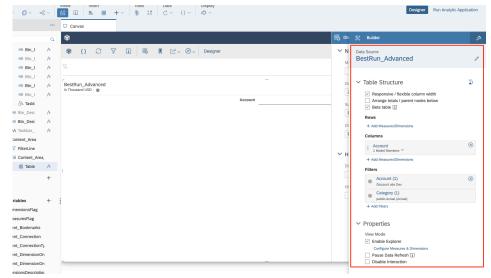
BestRun_Advanced as data source.

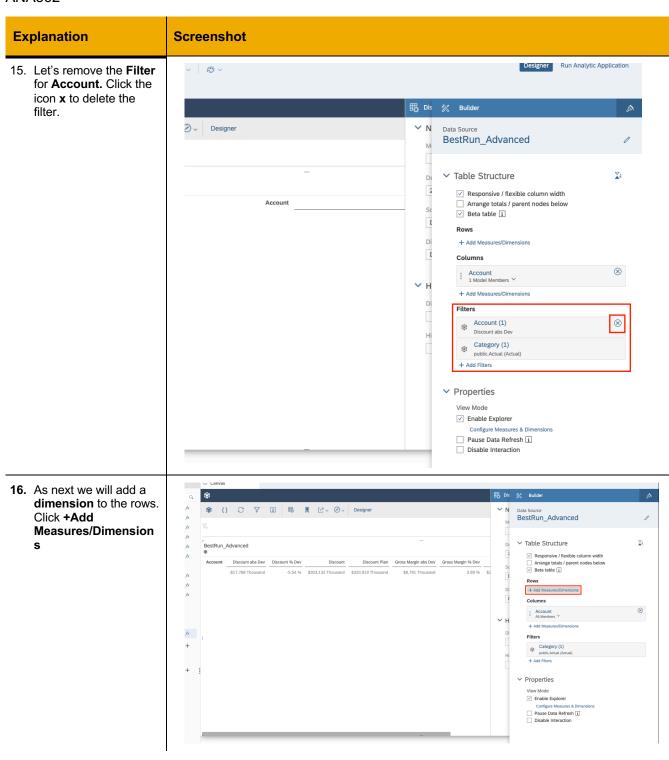
Please use the **search bar** in order to find the data source faster; Write **BestRun Advan...**

13. Select BestRun_Advanced

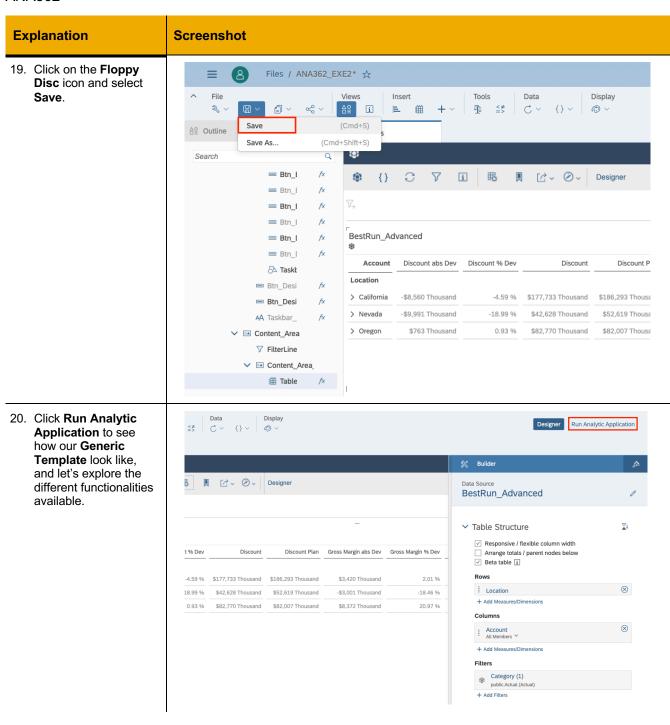


14. As you can see the data source was added to the **Table** and we can now configure the **table structure**.





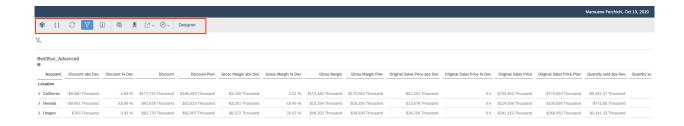
Explanation Screenshot 17. Select Location as a dimension. ⊘ ✓ Designer **V** N BestRun_Advanced ➤ Table Structure ¥Σ Responsive / flexible column width Discount Plan Gross Margin abs Dev Gross Margin % Dev Arrange totals / parent nodes below ✓ Beta table i Thousand \$320,919 Thousand \$8,791 Thousand 3.89 % \$2 Search CALCULATED DIMENSIONS + Create Calculated Dimension DIMENSIONS Cross Calculations > _ Account Category > Currency Location ۲, Product ŧ, Sales Manager > Store Time ۳, Version 18. As shown, we added Designer Run Analytic Application the Location to our table. Btn_I Btn_I Btn_I Btn_I Taskt Desi BestRun_Advanced As next we save the application. BestRun_Advanced → Table Structure Responsive / flexible column width Arrange totals / parent nodes below Beta table i -4.59 % \$177,733 Thousand \$186,293 Thousand > California Location + Add Measures/Dimensions -\$9,991 Thousand -18.99 % \$42,628 Thousand \$52,619 Thousand 0.93 % \$82,770 Thousand \$82,007 Thousand -\$3,001 Thousand -18.46 % \$763 Thousand \$8,372 Thousand 20.97 % _Area rLine tent_Area_ Table /× + Add Measures/0 nsFlag Flag Properties View Mode ✓ Enable Explorer nection Configure Measures & Dime Pause Data Refresh j Disable Interaction



Explanation

Screenshot

21. Congratulations! You were able to assign a Model to the table and achieved the first part of the Exercise 2. Let's explore together to the different functionalities available in tool bar:

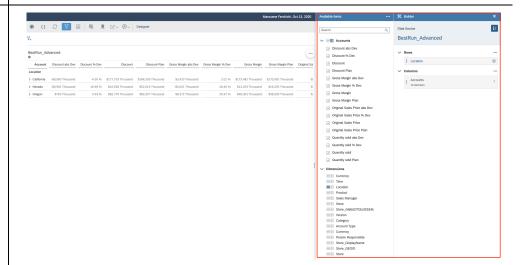


22. Click the button **Designer** and see what will happen.

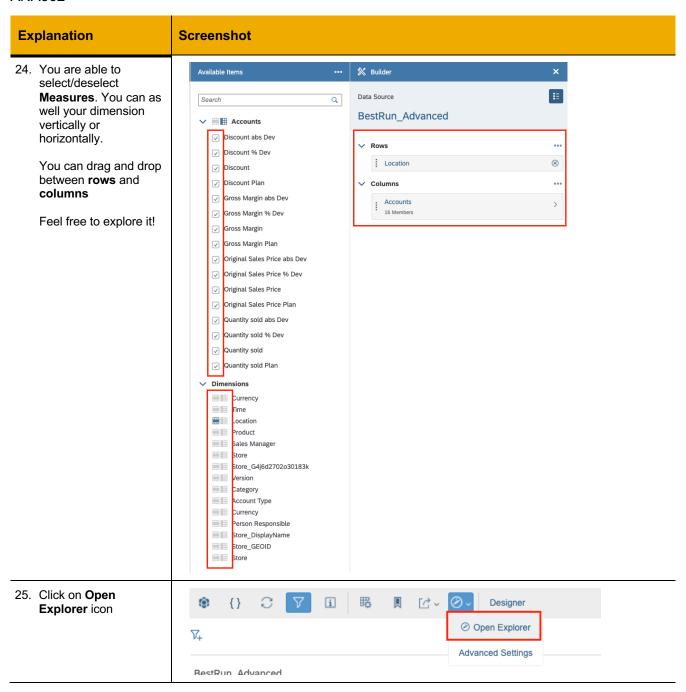


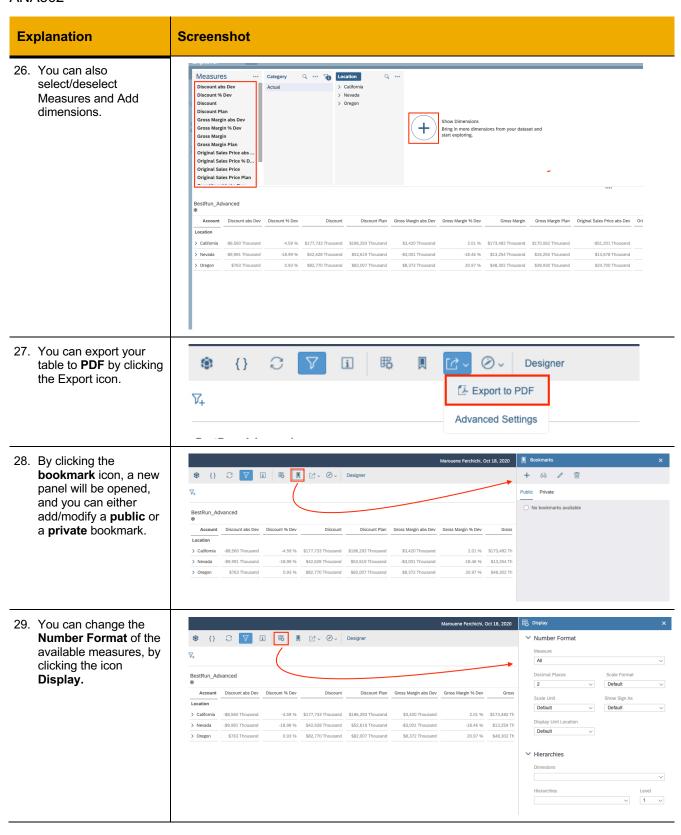
 As shown, by clicking the **Designer** button, a new panel will be opened.

> In this Designer Panel we can see all the Available Items (Accounts & Dimensions) of our Data source.



ANA362

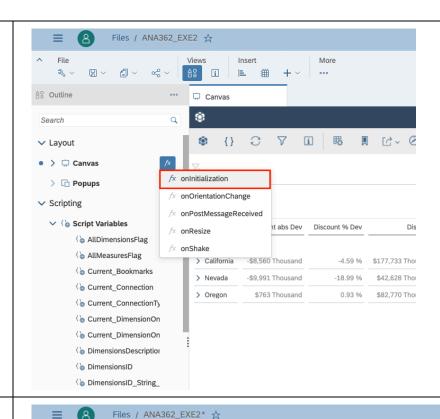




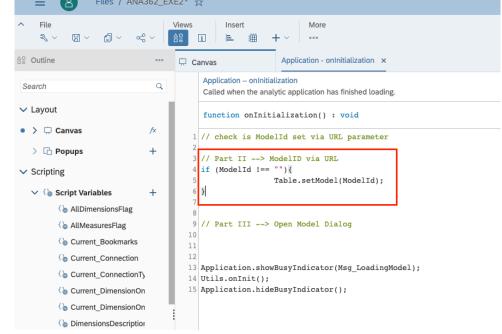
Part 2: Set the Data Model via URL Parameter, while running the application

Let's go back to the Files / ANA362_EXE2* 🚓 application ANA362_EXE2 and A° i ⊨ # +∨ 10 ≦≸ ♂ ⟨} ∨ you will create a new ≙º Outline Script variable. Q Go to the outline panel {} ♡ Layout and click • > 🛱 Canvas > 🗅 Popups BestRun_Advanced Scripting ✓ ⟨ a Script Variables Account Discount ab ⟨ allDimensionsFlag Location ⟨ allMeasuresFlag > California 6 Current_Bookmarks > Nevada -\$9,991 Tho ⟨ b Current_Connection > Oregon \$763 Tho (Current_ConnectionTy Current_DimensionOn Current_DimensionOn (Dimensions Description h DimensionsID h DimensionsID_String 6 DimensionsID_String_ Give to new variable Modelld as a name, i B String as type and out ✓ Structure check the Expose variable via URL Popups Modelld parameter as shown in BestRun_Advanced Description the screenshot. **Script Variables** ⟨ allDimensionsFlag ⟨ allMeasuresFlag > California -\$8.560 Thousand -4.59 % \$177,733 Tho string > Nevada -\$9,991 Thousand -18.99 % \$42,628 Tho (Current Connection Set As Array NO \$763 Thousand 0.93 % \$82,770 Tho (Current_ConnectionTy Default Value Current_DimensionOn Current_DimensionOn DimensionsDescription Expose variable via URL parameter (DimensionsID 6 DimensionsID_String_ b DimensionsID_String (DimensionsInfo Press Done to save. b isBookmark (MeasuresDescription_ MeasuresID (MeasuresID String Ar (MeasuresID_String_O ⟨ h Modelld http://www.bookmarkSave ∨ 1366 * 768 缶 Done Device: Laptop BookmarkSelecti

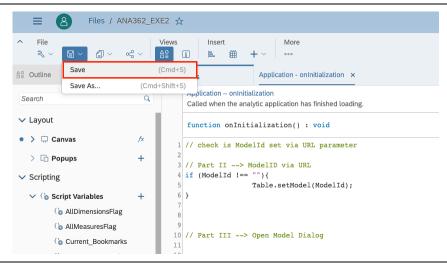
 Go to the Canvas in the Outline and click on fx and select onInitialization (event)



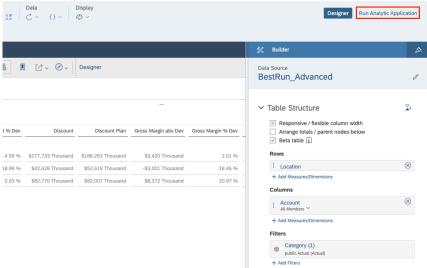
5. Add the script below under: // Part II --> ModeIID via URL



6. Click on the **Floppy Disc** icon and select **Save**.



7. Click Run Analytical Application

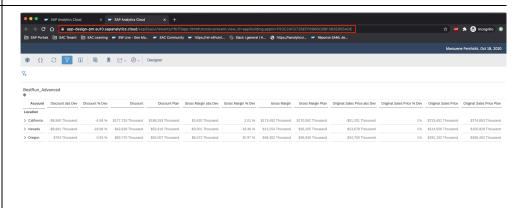


8. Go to the browser URL and add on the end of the

URL ;p_ModelId=t.1.B estRun_Advanced:Be stRun_Advanced

or

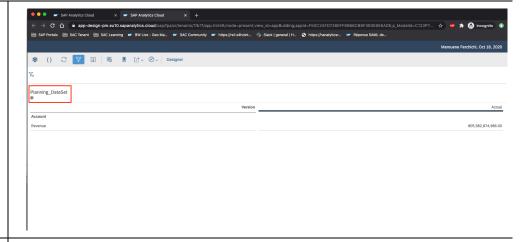
;p_ModelId=C123PY6 L40Z0961QIUKIJ70F7 K



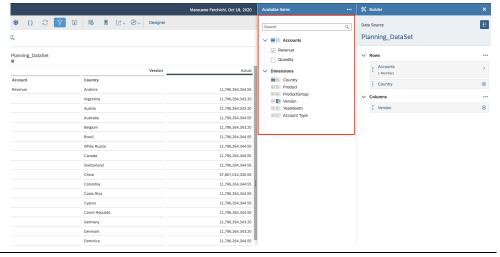
ANA362

- 9. Reload the application to see the result
- As you can see, we have now a new dataset which is Planning_DataSet, with different dimension and measures.

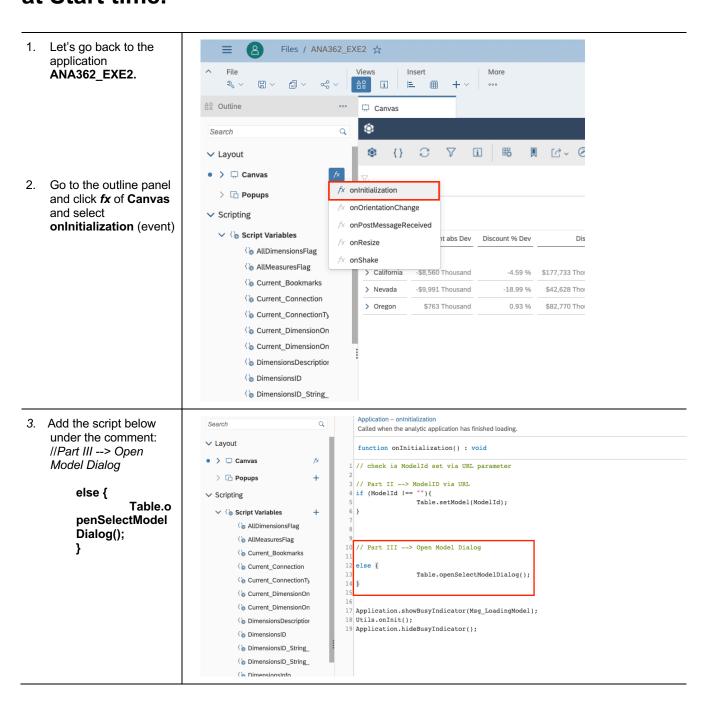
You can explore the new dataset by using the toolbar as shown in the first part of the exercise.



 You can explore the new dataset and build your own table based on the available items.



Part 3: Use the SelectDataModelDialog to select a Model at Start time.



4. Go to the Files / ANA362_EXE2 🏡 Btn_DataSourceBrow
 Views
 Insert
 Too

 ♠
 i
 |=
 #
 +
 ✓
 ½
 ser in the outline and ₩ ~ ₩ ~ ~ ~ click fx and select ≙° Outline onClick (event). Application – onIn Search Called when the a ✓ ■ Header_Area function onIn AA Header_Close_Menu 1 // check is Mc AA Header_Title 3 // Part II --> 4 if (ModelId != AA Header_SubTitle Taskbar_Area ✓
☐ Taskbar Group Model ■ Btn_Info_IsOpen 10 // Part III --Btn Info 11 12 else { Btn Filter IsOpen ■ Btn_PauseRefresh Btn PauseRefresh IsOr 17 Application.sh ■ Btn_Prompt 18 Utils.onInit() 19 Application.hi Btn_DataSourceBrowse Շ
 Taskbar_Group_Model_
 fx onClick ✓
☐ Taskbar_Group_SidePanel ■ Btn_Export Btn_Export_IsOpen ≙° Outline Btn_DataSourceBrowser - on... × 5. Add the script below Application - onInitialization under the comment Btn_DataSourceBrowser - onClick Q Search Called when the user clicks the button //Part III --> Open ✓ ■ Header_Area Model Dialog function onClick(): void AA Header_Close_Menu 1 Utils Menu.close(); Utils_SideNavigation.close(); Table.openSelectMod AA Header_Title elDialog(); // Part III --> Open Model Dialog
Table.openSelectModelDialog(); AA Header SubTitle ✓
☐ Taskbar_Group_Model ■ Btn Info IsOpen ■ Btn_Info ■ Btn_Filter ■ Btn_Filter_IsOpen ■ Btn_PauseRefresh ■ Btn PauseRefresh IsOr ■ Btn_Prompt ■ Btn_DataSourceBrowse Taskbar_Group_SidePanel Btn_Export 6. Click on the Floppy Files / ANA362_EXE2 ద Disc icon and select Save. Application - onInitialization Btn_DataSourceBrow Save As.. Btn_DataSourceBrowser – onClick
Called when the user clicks the button. ✓ ■ Header_Area function onClick() : void Utils_Menu.close(); Utils_SideNavigation.close(); AA Header_Title 3
4 // Part III --> Open Model Dialog
5 Table.openSelectModelDialog(); AA Header_SubTitle ✓
☐ Taskbar_Area

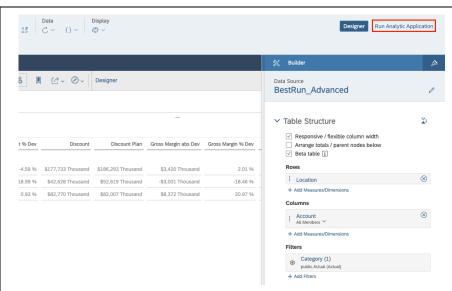
✓ ■ Taskbar_Group_Model

■ Btn_Info_IsOpen

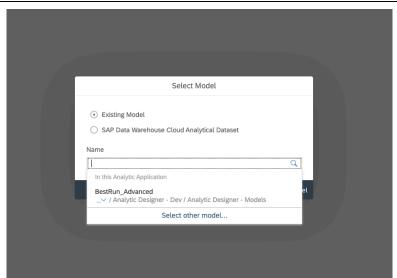
■ Btn_Info

■ Rtn_Filter

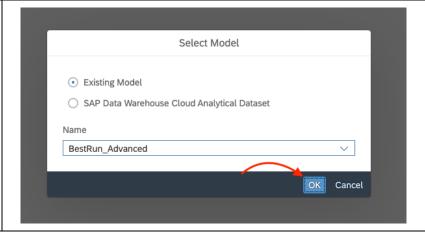
7. Click Run Analytical Application



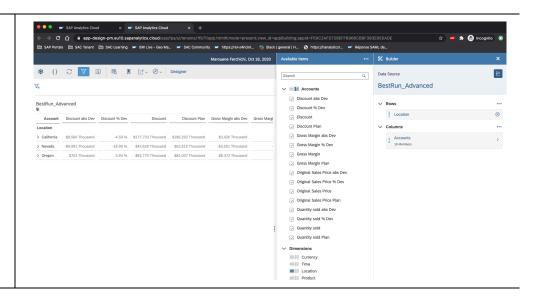
 Now you are able to select any Model available in Sap Analytics Cloud.



9. Click **OK** to confirm your selected Model.



 You will be redirected to your Generic Template with the selected Model



Congratulations! You Have completed the Exercise 2.

ANA362

Summary

You Have Successfully Completed the Exercise!

You are now able to:

- Assign Model to Table and run the application
- Use and explore the Generic Template with all his available features
- Set the Data Model via URL Parameter
- Use the Select Data Model Dialog in order to select a Model at Start Time