# **ZERO TO HERO WITH SAP ANALYTICS CLOUD**ANA264

### **EXERCISE 4:**

How to add Smart Discovery to your data analysis in SAP Analytics Cloud.

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#### **INTRODUCTION**

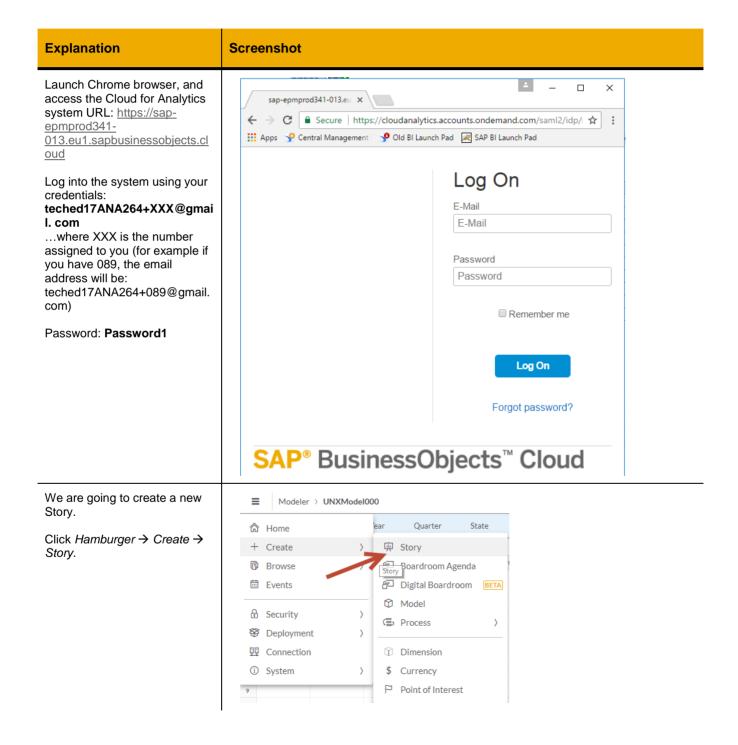
The goal of this exercise is to show you some of the Predictive features you can leverage in SAP Analytics Cloud (SAC) such as:

- Key influencers
- Unexpected values, and
- Simulation

To demonstrate these features, we will use an acquired model that we created previously.

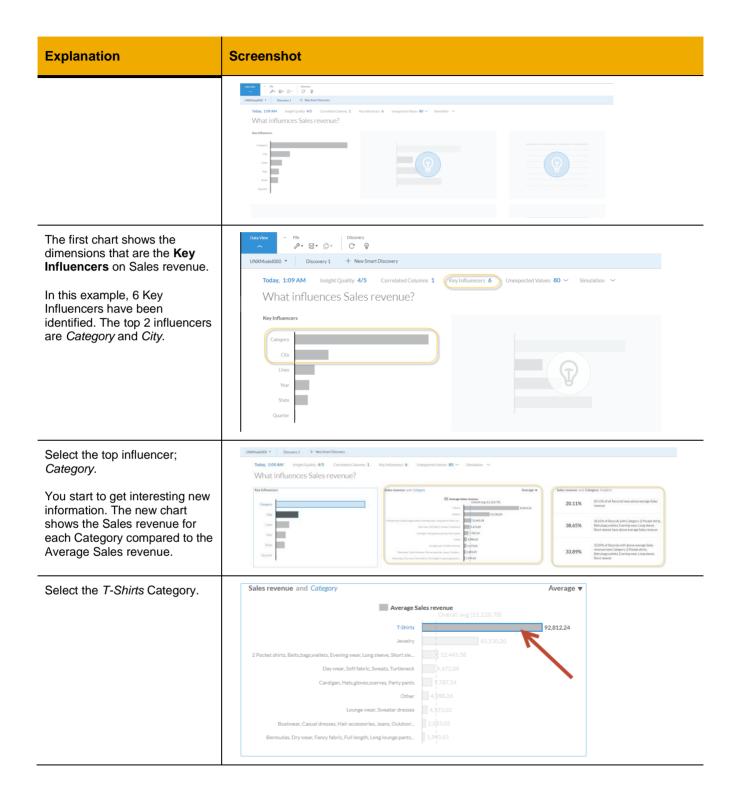
#### CREATING A SMART DISCOVERY BASED ON AN EXISTING MODEL

We are going to use the model that we created in the Exercise 2, *UNXModelXXX*, where XXX is the number assigned to you.

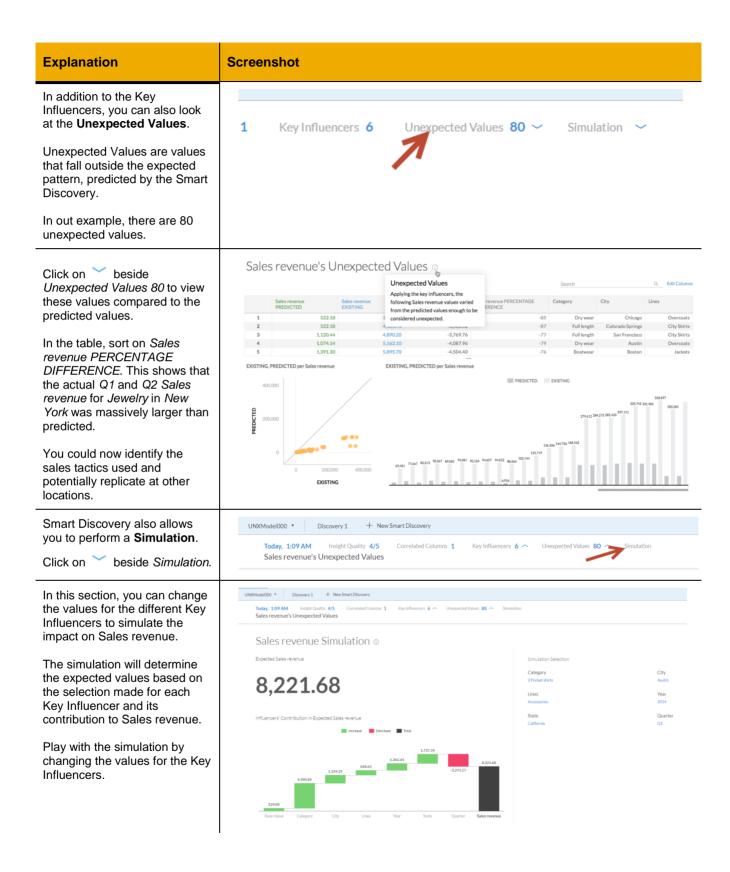


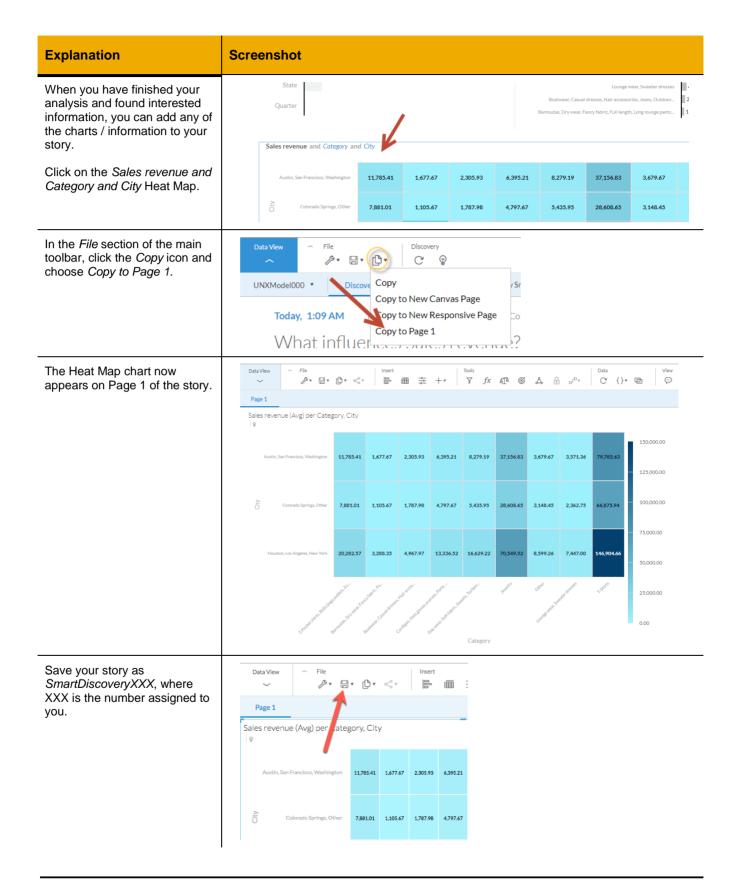


#### **Explanation Screenshot** The Data View will appear. ₽ • {}• □ **□□ □ □ ▼** To start exploring your data, UNXModel000 ▼ + New Smart Discovery normally you would choose a measure and then click Show Measures Dimensions to add the Sales revenue Quantity sold dimensions you want to **Show Dimensions** explore. Bring in more dimensions from your dataset to start exploring with But this time we will use the Smart Discovery feature. Click on New Smart Discovery. To perform a Smart Discovery, *p* • □ • □ • C P vou need to choose a single measure or dimension. You can + New Smart Discovery Discovery 1 also exclude measures and dimensions from the Smart UNXModel000 Select a single Measure or Dimension to start finding Discovery which you already insights in UNXModel000. 8 Columns know influence the result (e.g. 3272 Records MEASURES DIMENSIONS you might exclude Temperature dimension if performing a ▼ Discovery Components 22 Quantity sold Smart Discovery on ice cream TARGET COLUMN 22 Sales revenu AΑ City sales). : Sales revenue дД Lines EXCLUDED COLUMNS AΑ Select the measure Sales Select a Dim ΑД revenue. FILTERS Category (1) ΑА We will not exclude any Add Filters dimensions. Click Run to generate the Smart Discovery. The Smart Discovery process will take a few moments before Running Discovery the results are displayed. We are analysing your data. This may take a few moments. We'll notify you when we're finished.



#### **Explanation Screenshot** You now get more insights into Sales revenue and Category Insights this selection. 86.82% of Records with Category (T-Shirts) have 86.82% above average Sales revenue For example: 86.82% of Records with Category (T-Shirts) have above average 17.02% of Records with above a 17.02% Sales revenue. revenue have Category (T-Shirts) Records with Category (T-Shirts) have an average 92,812.24 Sales revenue of 92,812.24 compared to an overall average of 11,120,78 In the Key Influencers bar chart on the left, now select the second influencer, City. Because two influencers have now been selected, we get more insights. Sales revenue and Category and City For example, the darkest color cell in the Heat Map chart indicates that T-Shirts have the highest Sales revenue, with the majority of sales occurring in Houston, Los Angeles and New York. If you select this darkest color cell, you get additional Sales revenue and Category and City Insights information such as: Sales revenue is 600.50% higher than average wh Sales Revenue is 600.50% 150.000.00 600.50% Records have Category (T-Shirts) and City (Houst higher than the average when Los Angeles, New York) Records have Category (T-100.000.00 Shirts) and City (Houston, Los Angeles, New York). 50,000,00 At the opposite end of the spectrum, click on the cell with the lightest color (smallest Sales revenue). This reveals: Sales revenue is 44.29% lower than average when Records have Category (Bermudas, Dry Wear, Fancy fabric...) and City (Colorado Springs, Other).





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