



Demonstrating SAP Analytics

Presented by **Anton Paala**

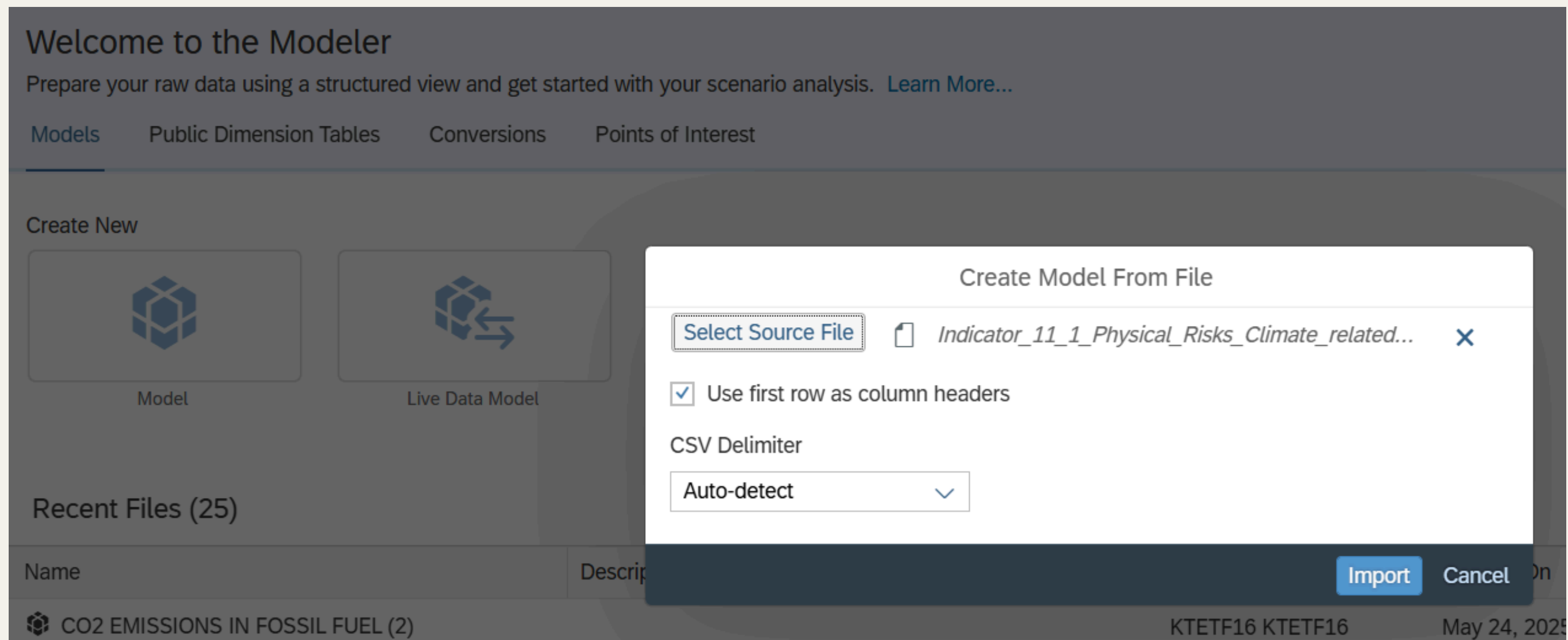
What is SAP Analytics?

- It is a cloud based application that can provide tools, visualizations, and storyboards for datasets.
- It has many features, such as the possibility to use preprocessing techniques to your given datasets with efficiency; Smart Discovery, which is used to automatically create a storyboard for your given data set.



Demonstration:

- We loaded our dataset in the modeler tab inside the Cloud.



- After loading, you can edit, aggregate, rename or drop the columns of your data set.

The screenshot displays the SAP Analytics Cloud Modeler interface. The top navigation bar includes the SAP logo, 'Modeler', and the file name 'Indicator_11_1_Physical_Risks_Cli...'. The main workspace is divided into a 'Workspace' pane on the left and a 'Details' pane on the right. The 'Workspace' pane shows a 'Model Structure' view with a table of dimensions. The 'Details' pane shows the configuration for the selected 'Country' dimension.

Workspace - Dimensions Table:

Name	Description	Type	Additional Details
<input type="checkbox"/> Col_2023*	2023	Integer	...
<input type="checkbox"/> Col_2024*	2024	Integer	...
Switch to Calculation Management			
Dimensions			
<input type="checkbox"/> ObjectID*	ObjectID	Dimension	0
<input checked="" type="checkbox"/> Country*	Country	Dimension	0
<input type="checkbox"/> ISO2*	ISO2	Dimension	0
<input type="checkbox"/> ISO3*	ISO3	Dimension	0
<input type="checkbox"/> Indicator*	Indicator	Dimension	0
<input type="checkbox"/> Unit*	Unit	Dimension	0
<input type="checkbox"/> Source*	Source	Dimension	0
<input type="checkbox"/> CTS_Code*	CTS Code	Dimension	0
<input type="checkbox"/> CTS_Name*	CTS Name	Dimension	0
<input type="checkbox"/> CTS_Full_Descriptor*	CTS Full Descriptor	Dimension	0

Details - Country Dimension:

General

Name: Country

Description: Country

Type: Generic

Properties

Member ID*

+ Description

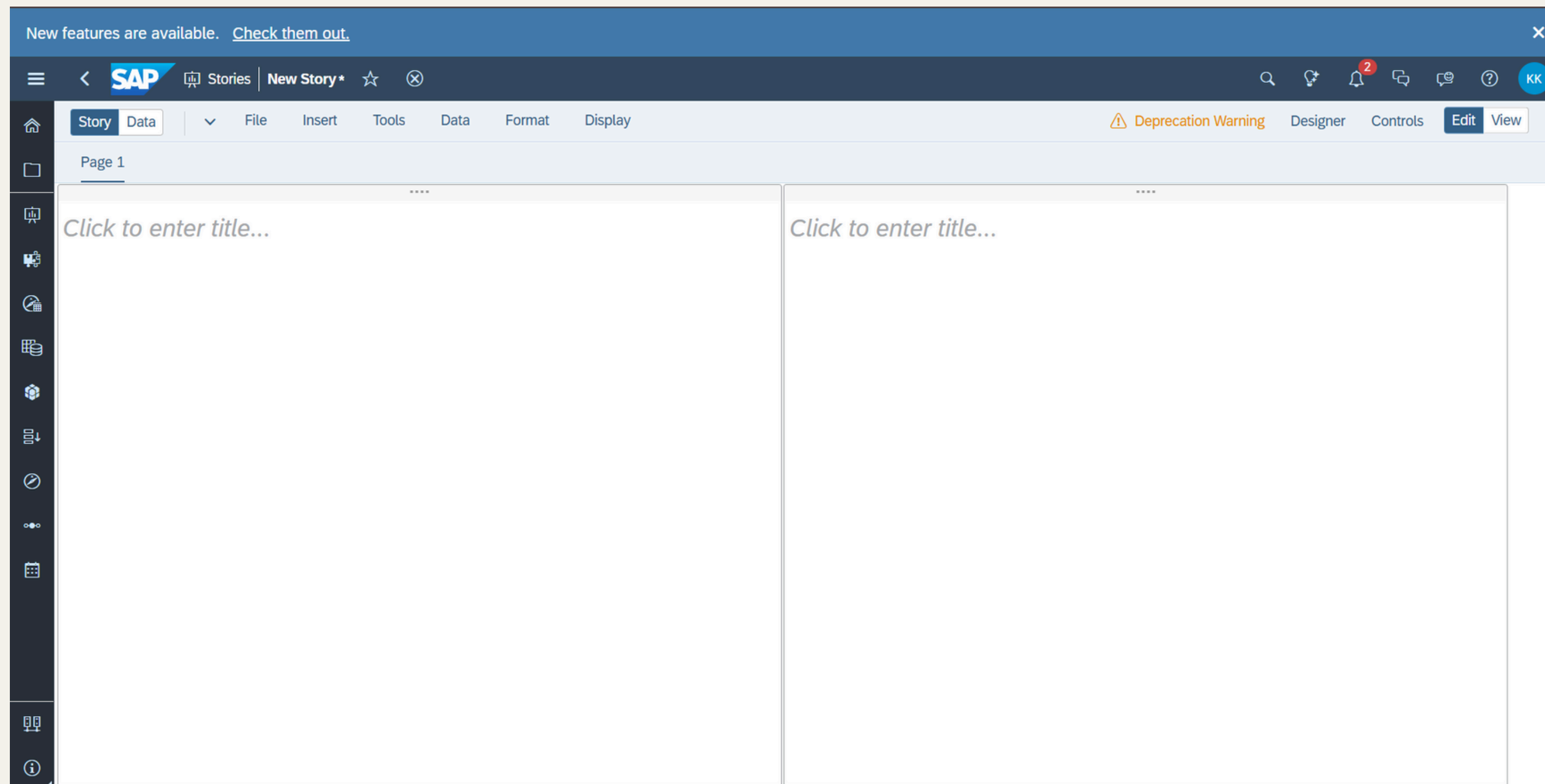
[Generate a dimension table to unlock master data](#)

- After loading, you can edit, aggregate, rename or drop the columns of your data set.

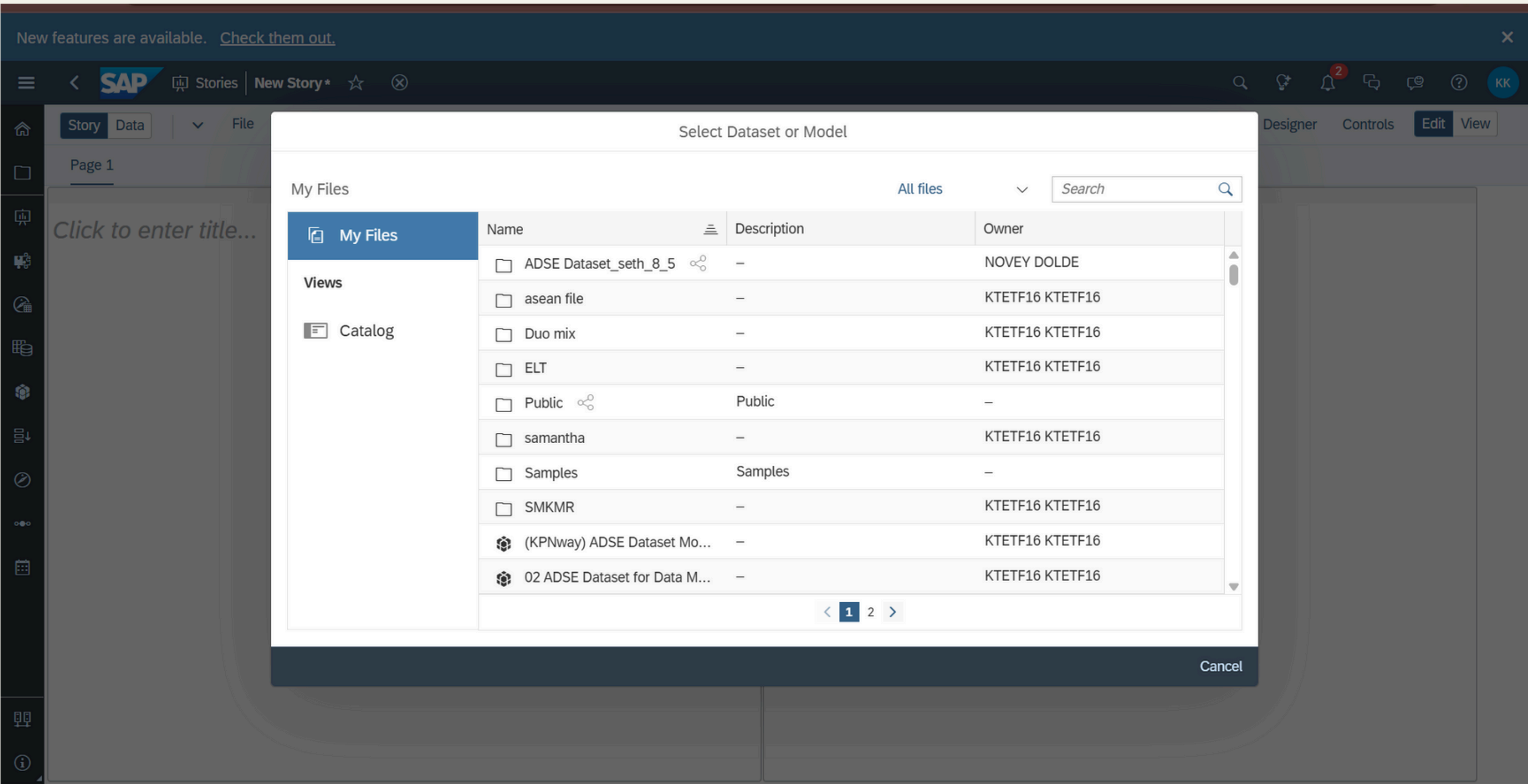
The screenshot displays the SAP Analytics Cloud Modeler interface. The main workspace shows a list of dimensions for the model 'Indicator_11_1_Physical_Risks_Cli...'. The 'Country*' dimension is selected, and its details are shown in the right-hand pane. The details pane includes sections for 'General' and 'Properties'. The 'General' section shows the 'Name' as 'Country', the 'Description' as 'Country', and the 'Type' as 'Generic'. The 'Properties' section shows a 'Member ID*' field with a key icon and a '+ Description' button. At the bottom of the details pane, there is a button that says 'Generate a dimension table to unlock master data'.

Name	Description	Type	Additional Details
<input type="checkbox"/> Col_2023*	2023	Integer	...
<input type="checkbox"/> Col_2024*	2024	Integer	...
Switch to Calculation Management			
Dimensions			
<input type="checkbox"/> ObjectID*	ObjectID	Dimension	0
<input checked="" type="checkbox"/> Country*	Country	Dimension	0
<input type="checkbox"/> ISO2*	ISO2	Dimension	0
<input type="checkbox"/> ISO3*	ISO3	Dimension	0
<input type="checkbox"/> Indicator*	Indicator	Dimension	0
<input type="checkbox"/> Unit*	Unit	Dimension	0
<input type="checkbox"/> Source*	Source	Dimension	0
<input type="checkbox"/> CTS_Code*	CTS Code	Dimension	0
<input type="checkbox"/> CTS_Name*	CTS Name	Dimension	0
<input type="checkbox"/> CTS_Full_Descriptor*	CTS Full Descriptor	Dimension	0

- Next, we went to the Storyboard tab to create a visualization.



- After hovering to Insert, and clicking Chart, the Select Dataset appeared. We have to find the imported dataset prior to this.

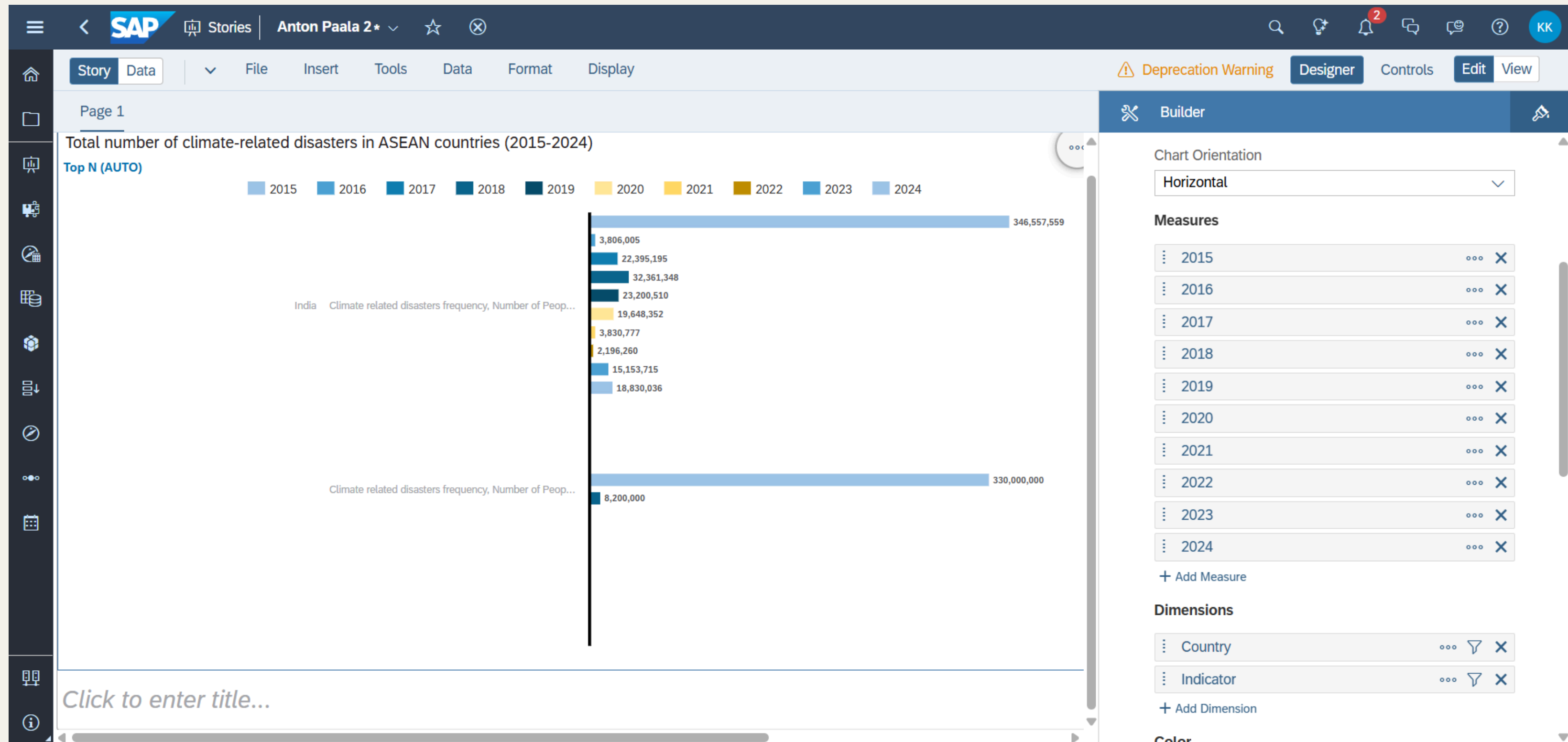


- Now, we have to add measures and dimensions based on Hands-on Activity 10.1, in which I looked for the total number of climate related disasters in ASEAN countries during 2015-2024.

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The screenshot displays the SAP Analytics Cloud (SAC) interface in the 'Designer' mode. The top navigation bar includes the SAP logo, 'Stories', and the story name 'Anton Paala 2'. Below this, a menu bar contains 'File', 'Insert', 'Tools', 'Data', 'Format', and 'Display'. The main workspace is titled 'Page 1' and contains a subtitle 'Total number of climate-related disasters in ASEAN countries (2015-2024)'. A message in the center states 'At least one measure is required to build a chart.' The right sidebar, labeled 'Builder', contains the 'Data Source' section with 'Anton Paala 2' and a '+ Add Linked Models' button. Below this is the 'Chart Structure' section, which includes icons for 'Comparison', 'Trend', 'Distribution', 'Correlation', 'Indicator', and 'More'. The 'Chart Orientation' is set to 'Horizontal'. At the bottom of the sidebar are sections for 'Measures' (+ Add Measure), 'Dimensions' (+ Add Dimension), and 'Color' (+ Add Dimension/Measure) with a color palette.

- After putting the measures and dimensions based on the past activity, it is time to filter out the data.



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Set Filters for Country

Available Members

Vietnam

Show unbooked members

Exclude selected members

Selected Members

Cambodia

Indonesia

Lao People's Dem. Rep.

Clear Selection

Set Filters for Indicator

Available Members

Show unbooked members

Exclude selected members

☐ Climate related disasters frequency, Number of Disasters: Storm

☒ Climate related disasters frequency, Number of Disasters: TOTAL

☐ Climate related disasters frequency, Number of Disasters: Wildfire

☐ Climate related disasters frequency, Number of People Affected...

☐ Climate related disasters frequency, Number of People Affected...

☐ Climate related disasters frequency, Number of People Affected...

Selected Members

Climate related disasters frequency, Numbe...

Clear Selection

Settings for Users

☒ Allow viewers to modify selections

☐ Allow viewers to delete filter

☐ Hide in Controls Panel

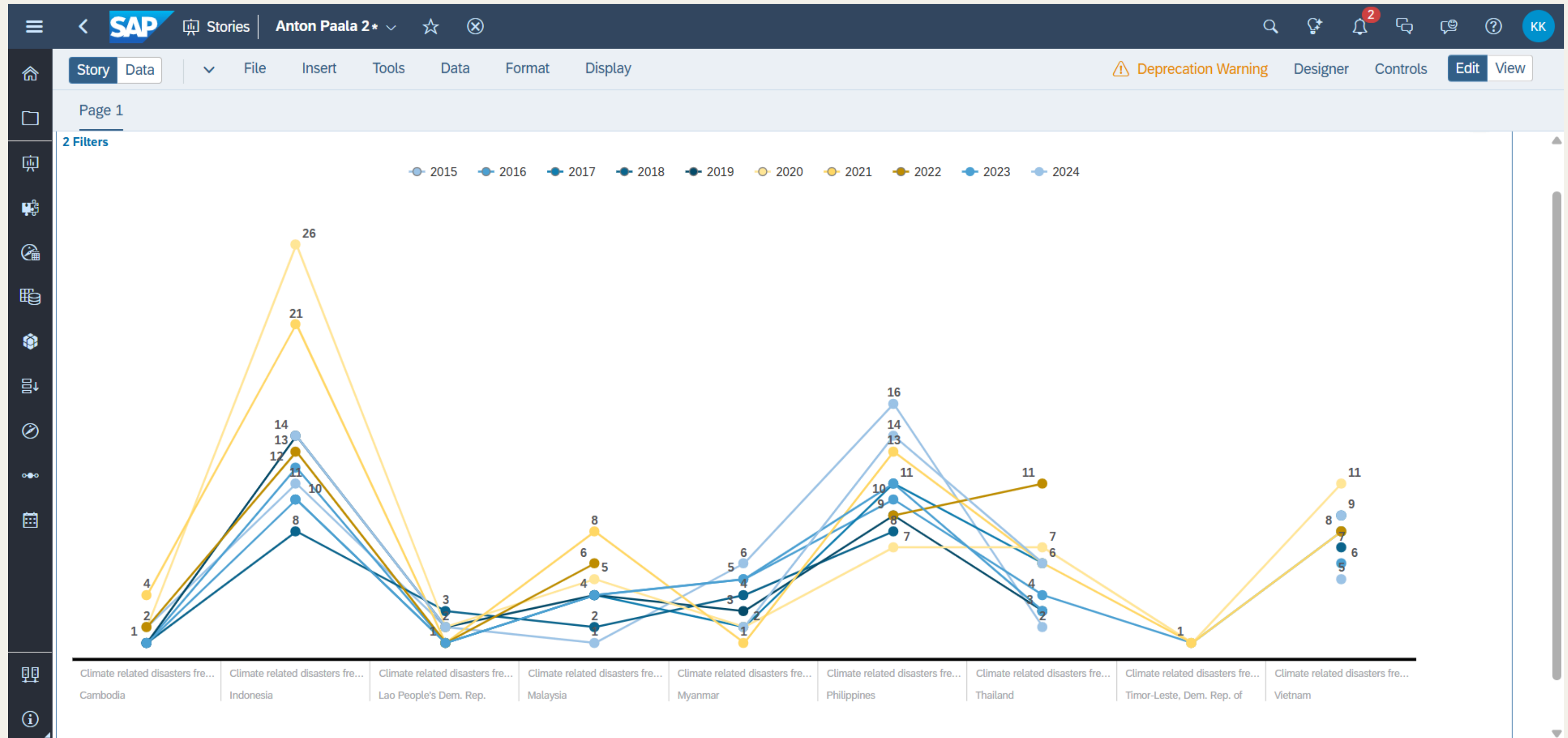
Multiple Selection

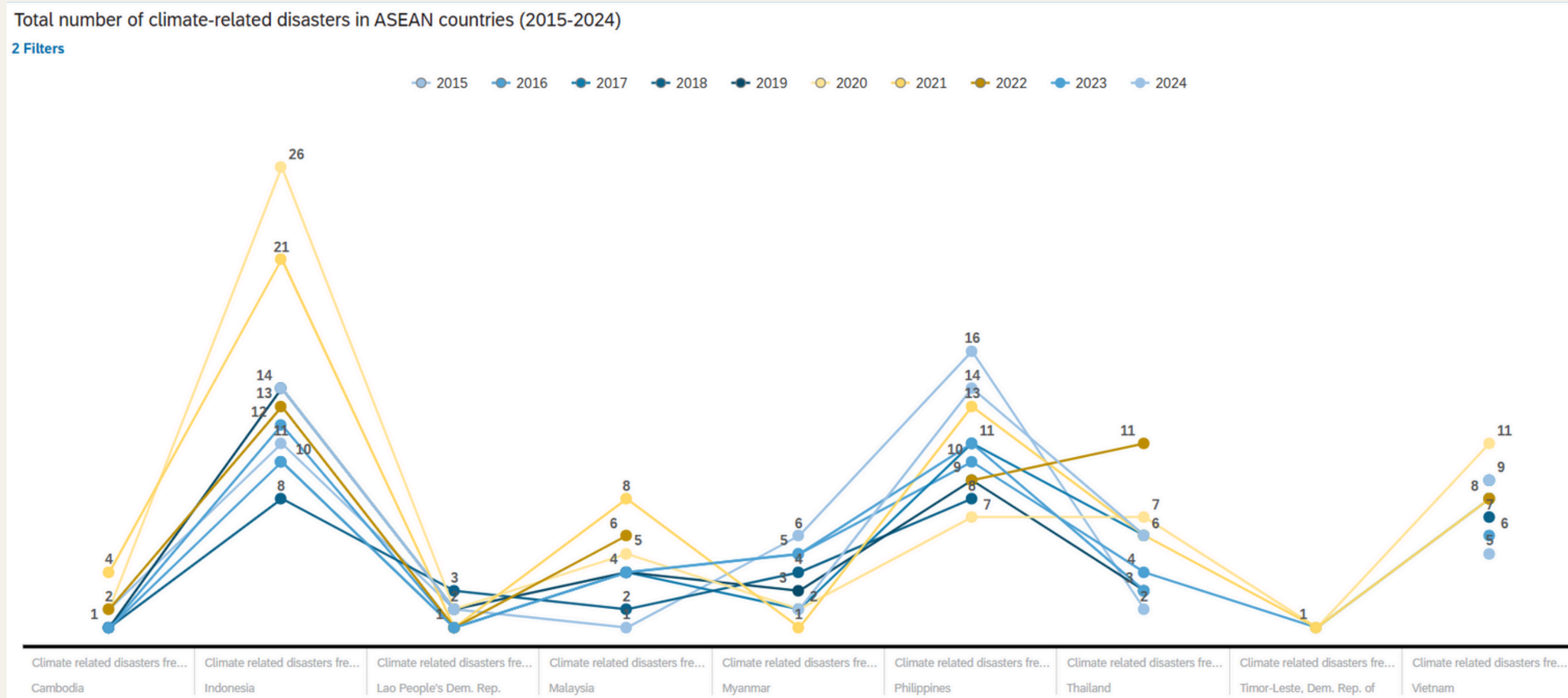
OK

Cancel

- *Lastly, we have now successfully created a line chart visualization that is based on the past Hands-on Activity!*

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In conclusion...

We have successfully demonstrated and created a visualization using SAP analytics. It is also based on the Hands-On Activity, in which we examined the dataset through the use of Python and Pandas.

I can truly say that using the SAP Analytics Cloud is a reliable tool in visualizing and creating storyboards for complex datasets. It is easy to use and it has a lot of features.



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Thank You

For Your Attention



Presented by **Anton Paala**