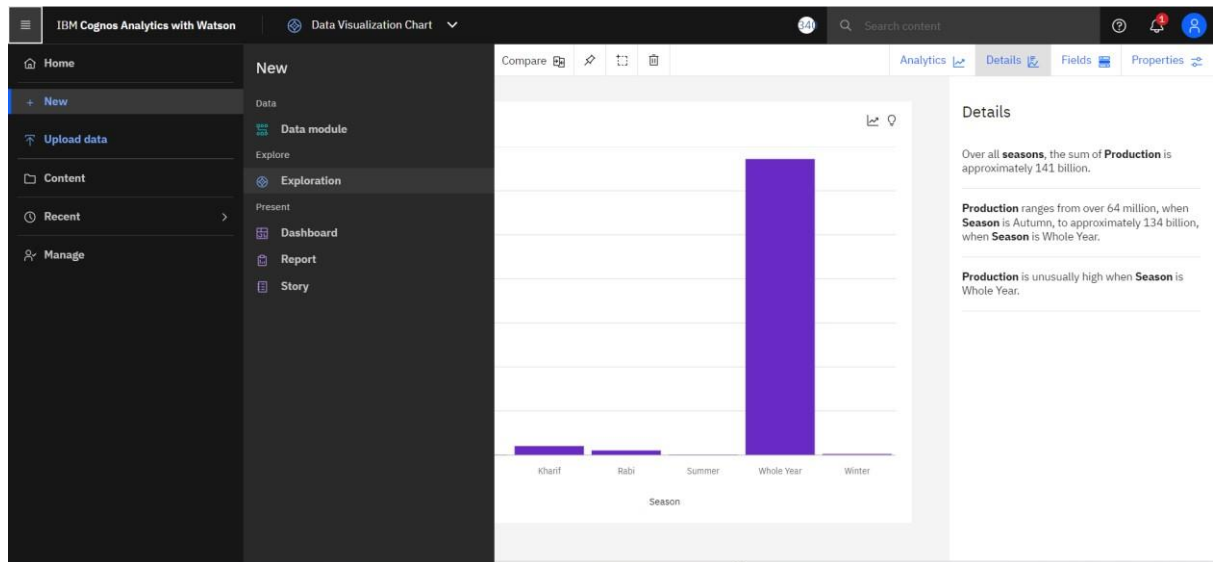


Sprint – 2

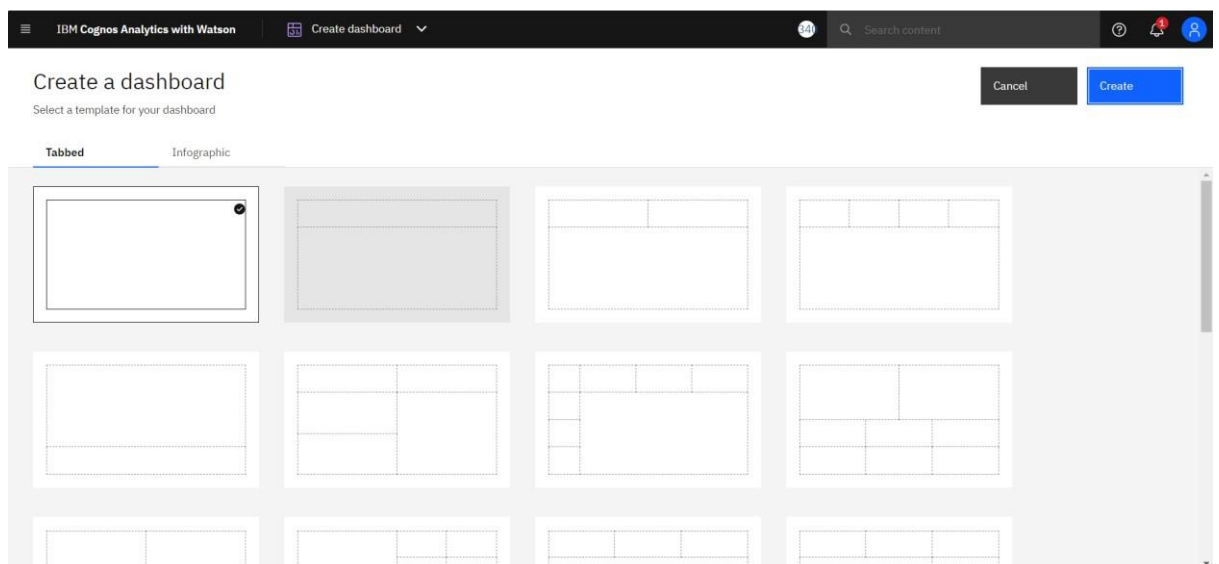
Date	16 November 2022
Team ID	PNT2022TMID35100
Project Name	Estimate the crop yield using Data Analytics

Data Visualization Charts:

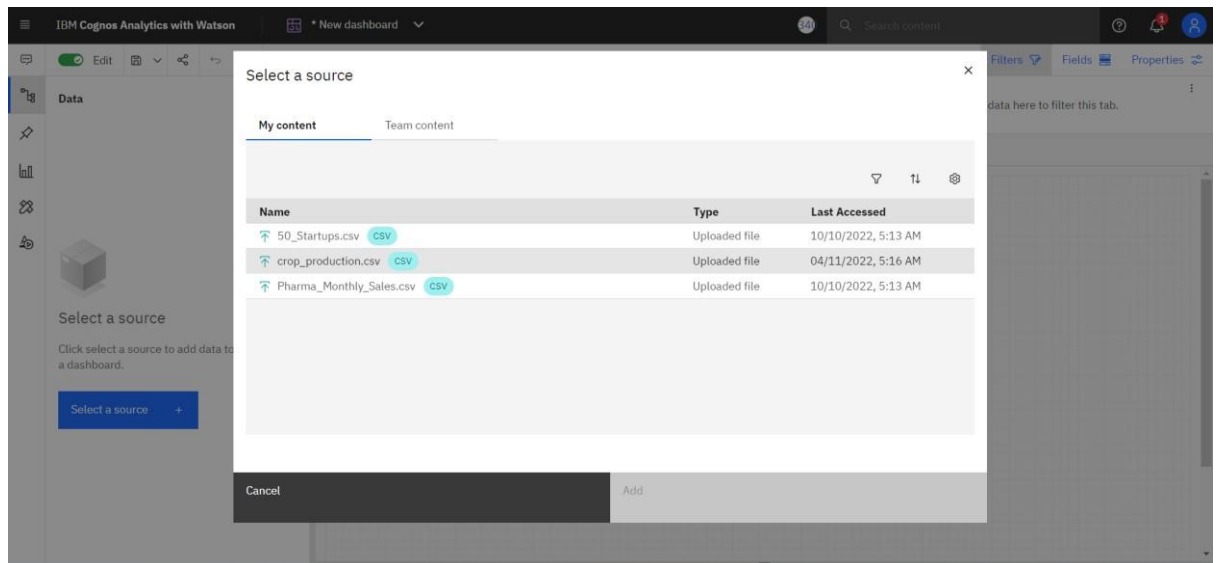
- Login to IBM Cognos then in open menu click **New -> Dashboard** .



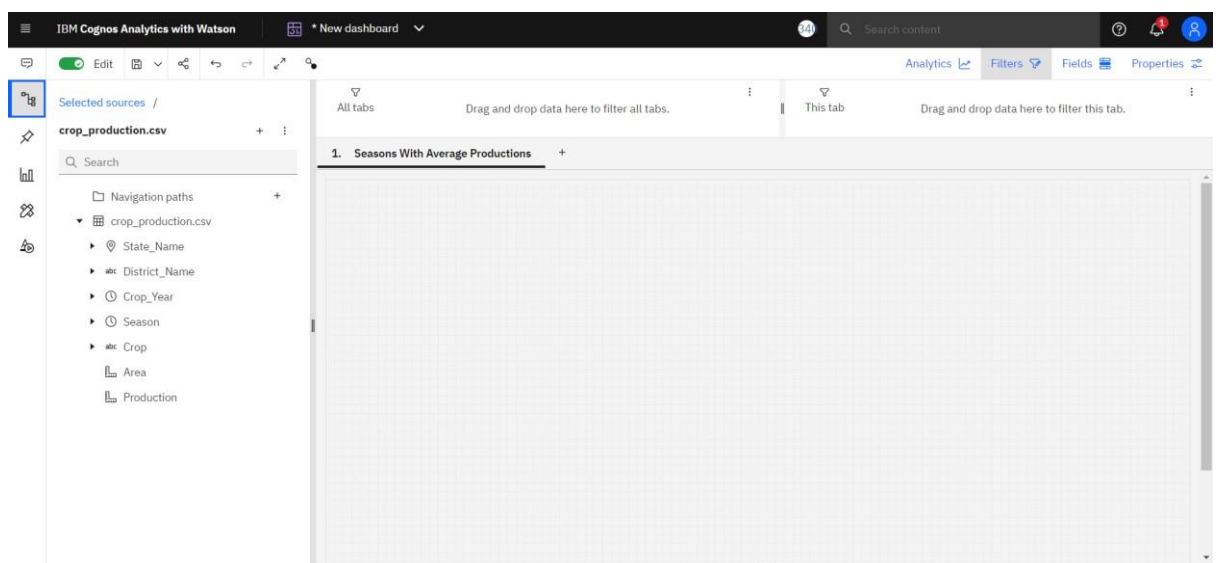
- Select a template for your dashboard and click create.



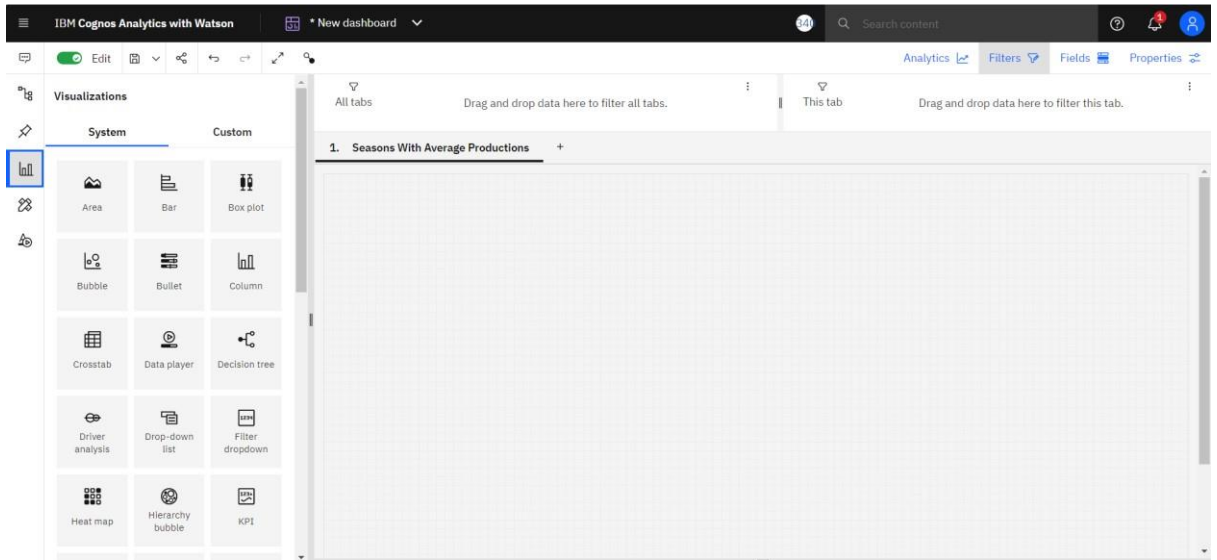
- Then select the **crop_production.csv** dataset under my content tab and click **add** In Add a source.



- Rename the tab title

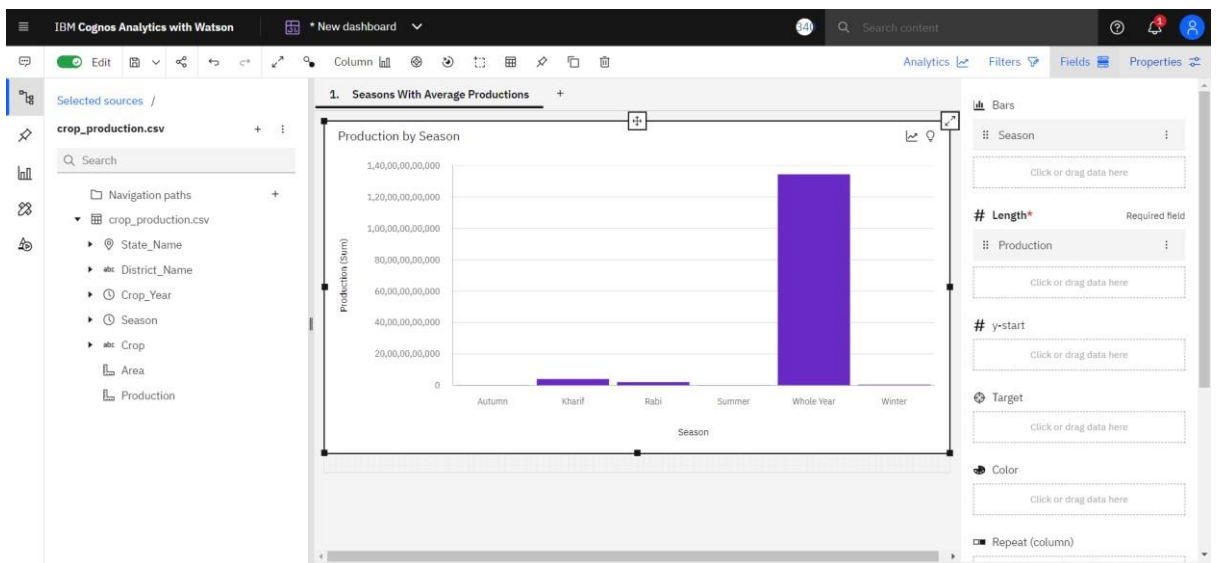


- Select the visualizations and select the system you want.



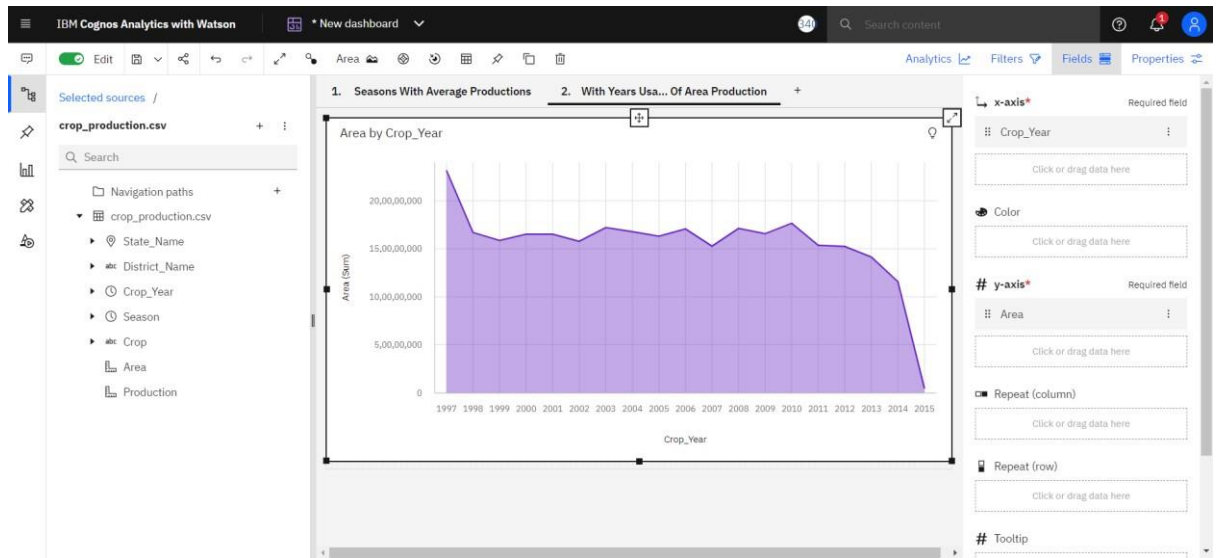
1. Seasons With Average Productions

- Select the column in choose visualization and in fields select “Season” for Bars and “Production” for Length.



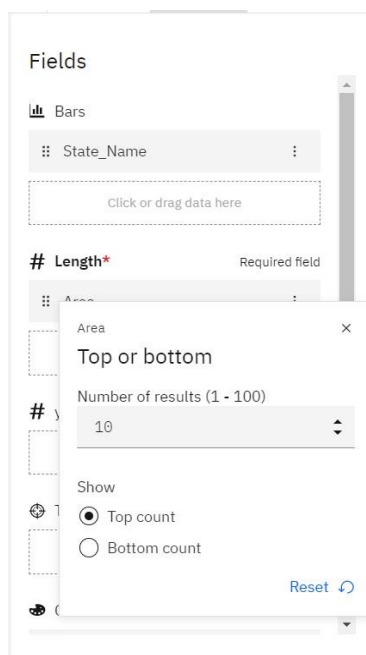
2. With Years Usage Of Area Production

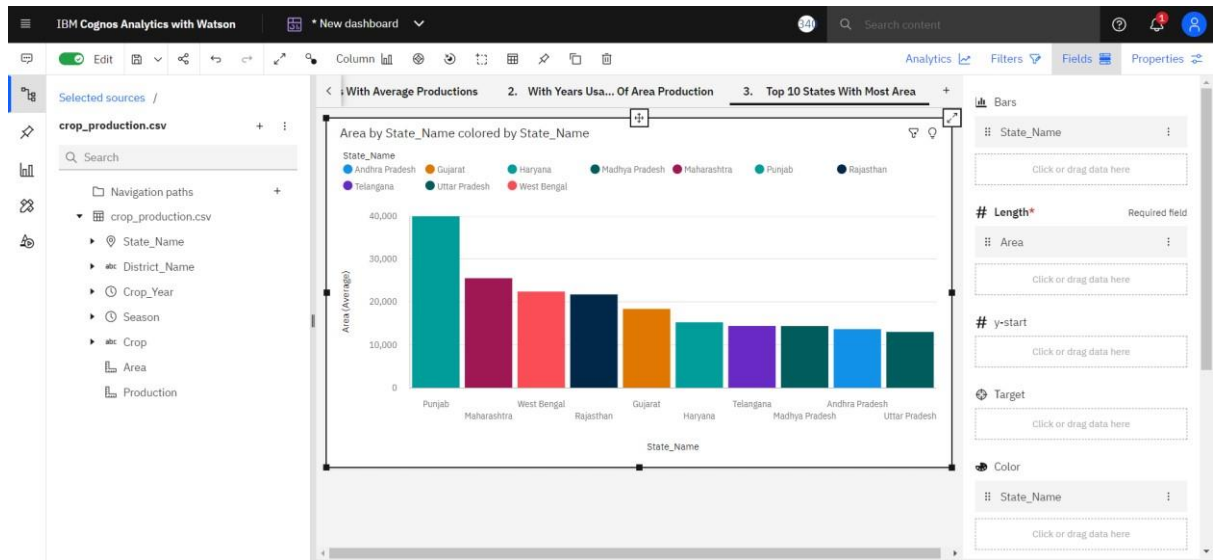
- Select the Area in choose visualization and in fields select "Crop_Year" for X-axis and "Area" for Y-axis.



3. Top 10 States With Most Area

- Select the column in choose visualization and in fields select “State_Name” for Bars , “Area” for Length “State_Name” for Color.
- Select three dots in Area -> Summarize -> Average.
- In Area click on the three dots then select Top or bottom • In Number of Result Enter 10 and select the **Top count** .





4. State With Crop Production

- Select the Map in choose visualization and in fields select “State_Name” for Location and “State_Name and Crop” for Location Color.
- Click three dots in the Crop then select filter and choose particular crop that you want then click done.

Crop

Filter

Add a filter condition +

Grapes

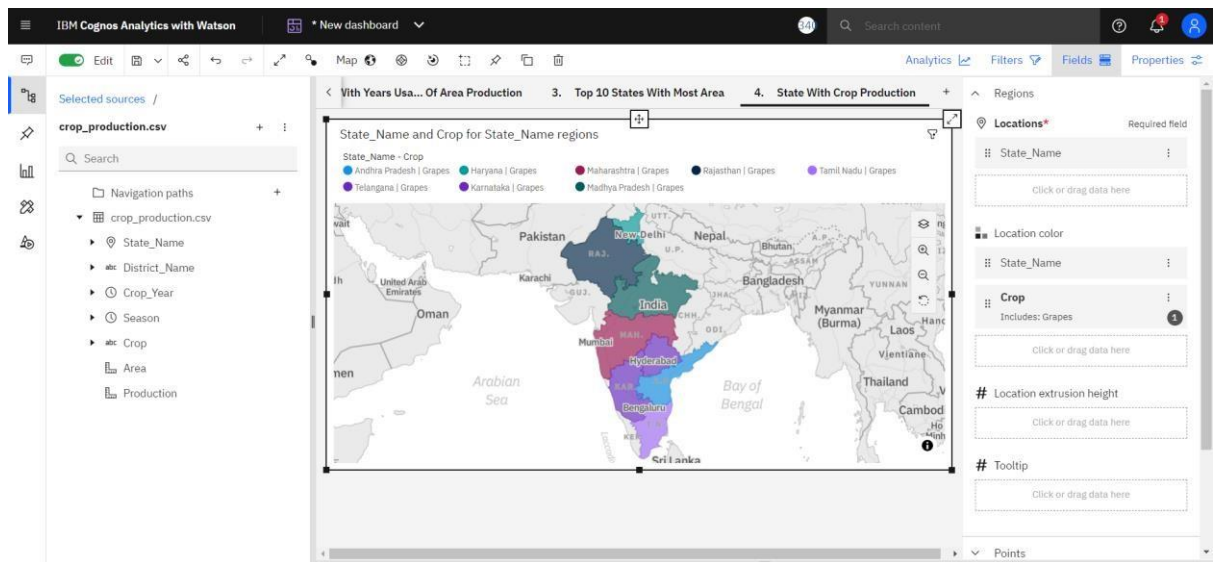
☒ Grapes

Clear all

Invert

Cancel

Done



5. State With The Crop Production Along With Season(Text Table)

- Select the table in choose visualization and in fields select “State_Name and Crop(sort : Grapes)” for Columns this is for Table 1
- Again Select the table in choose visualization and in fields select “Crop(sort : Grapes) and Season” for Columns this is for Table 2

The screenshot shows the IBM Cognos Analytics interface. On the left, the 'Selected sources' panel lists 'crop_production.csv' with fields: State_Name, District_Name, Crop_Year, Season, Crop, Area, and Production. The main visualization is a text table titled 'State With Crop Production Along With Season'. It contains two tables. The first table is titled 'State_Name and Crop' and the second table is titled 'Season and Crop'. The right panel shows the 'Columns' tab with 'Crop' and 'State_Name' selected. The 'Columns' section shows 'Crop' and 'State_Name' as required fields. The 'Local filters' section shows 'Crop' and 'State_Name' as required fields.

Crop	State_Name
Grapes	Andhra Pradesh
Grapes	Haryana
Grapes	Karnataka
Grapes	Madhya Pradesh
Grapes	Maharashtra
Grapes	Rajasthan
Grapes	Tamil Nadu
Grapes	Telangana

Season	Crop
Kharif	Grapes
Whole Year	Grapes

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crop_production.csv

Navigation paths

crop_production.csv

State_Name

District_Name

Crop_Year

Season

Crop

Area

Production

Top 10 States With Most Area

4. State With Crop Production

5. State With Th...n Along With Season

State_Name and Crop

Crop	State_Name
Grapes	Andhra Pradesh
	Haryana
	Karnataka
	Madhya Pradesh
	Maharashtra
	Rajasthan
	Tamil Nadu
	Telangana

Season and Crop

Season	Crop
Kharif	Grapes
Whole Year	Grapes

Columns*

Required field

Season

Crop

Includes: Grapes

Click or drag data here

Local filters

Click or drag data here

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Navigation paths

crop_production.csv

State_Name

District_Name

Crop_Year

Season

Crop

Area

Production

Top 10 States With Most Area

4. State With Crop Production

5. State With Th...n Along With Season

State_Name and Crop

Crop	State_Name
Grapes	Andhra Pradesh
	Haryana
	Karnataka
	Madhya Pradesh
	Maharashtra
	Rajasthan
	Tamil Nadu
	Telangana

Season and Crop

Season	Crop
Kharif	Grapes
Whole Year	Grapes

No visualization selected

Select a visualization to manage the field settings.