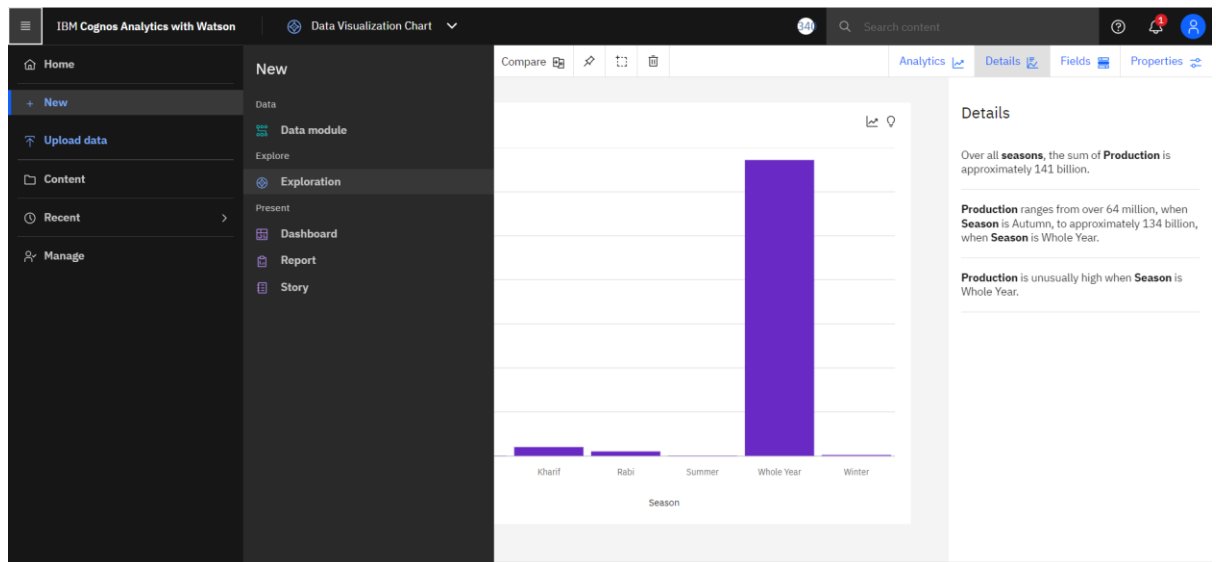


Sprint – 2

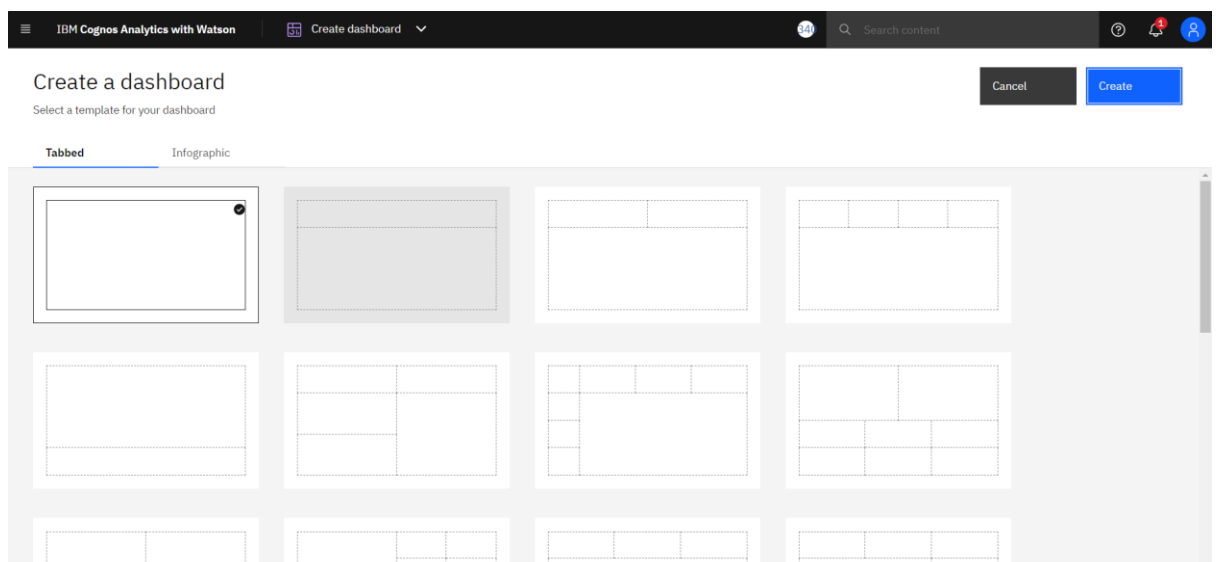
Date	04 November 2022
Team ID	PNT2022TMID14659
Project Name	Estimate the crop yield using Data Analytics

Data Visualization Charts:

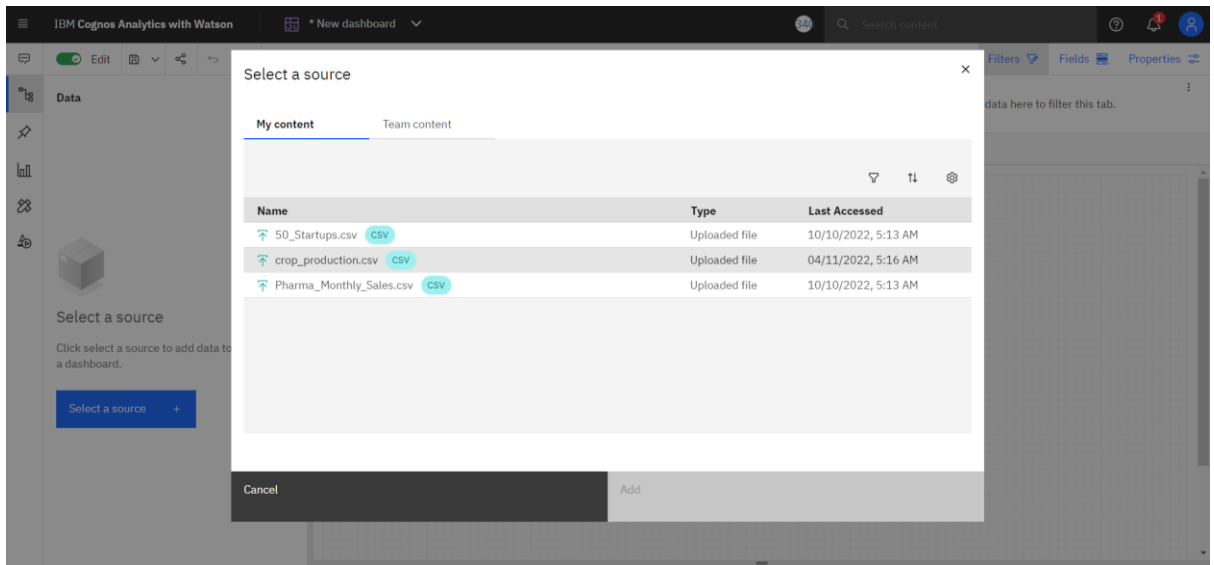
- Login to IBM Cognos then in open menu click **New -> Dashboard** .



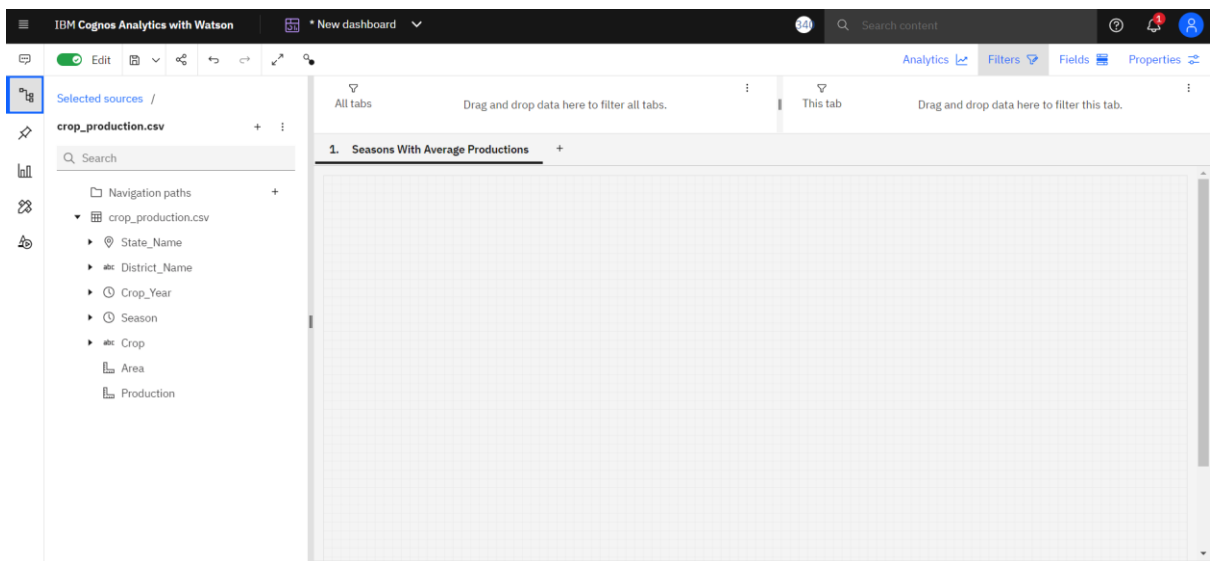
- Select a template for your dashboard and click create.



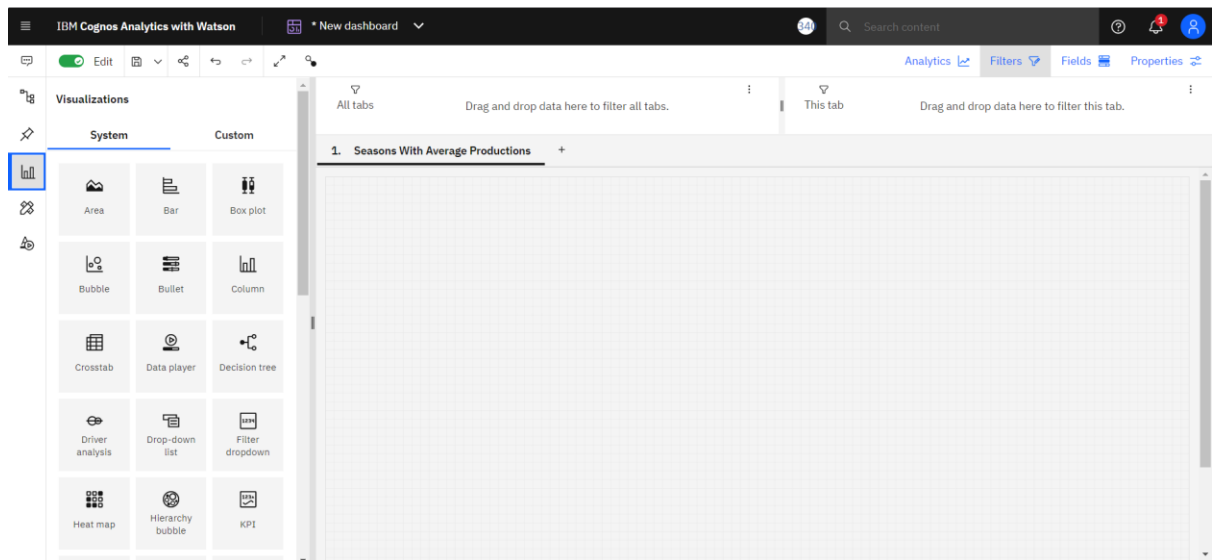
- Then select the **crop_production.csv** dataset under my content tab and click **add** In Add a source.



- Rename the tab title

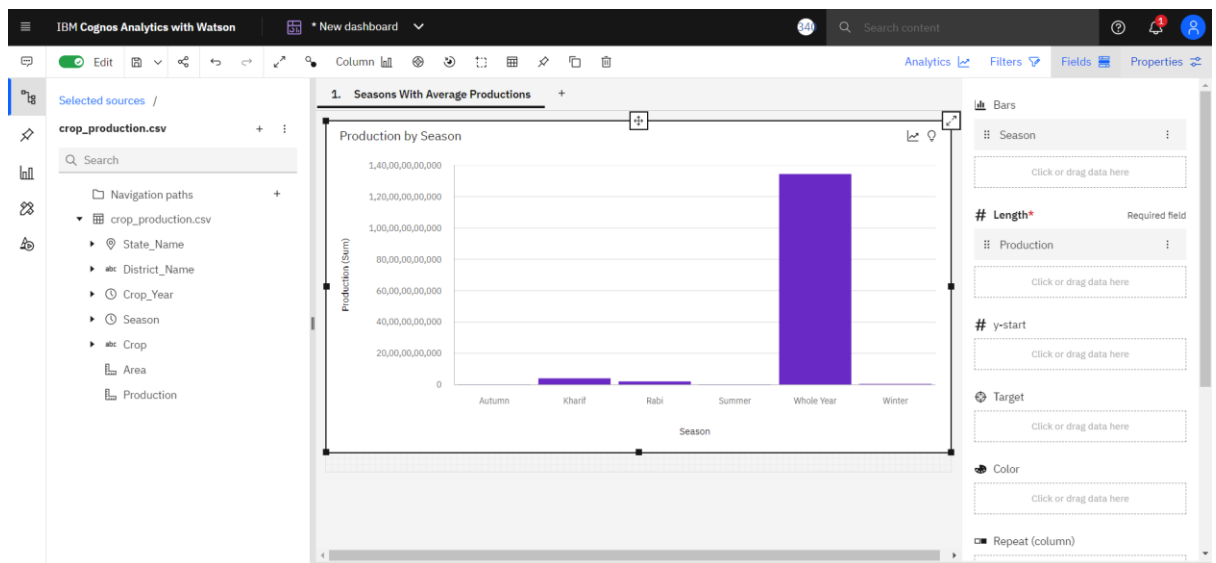


- Select the visualizations and select the system you want.



1. Seasons With Average Productions

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



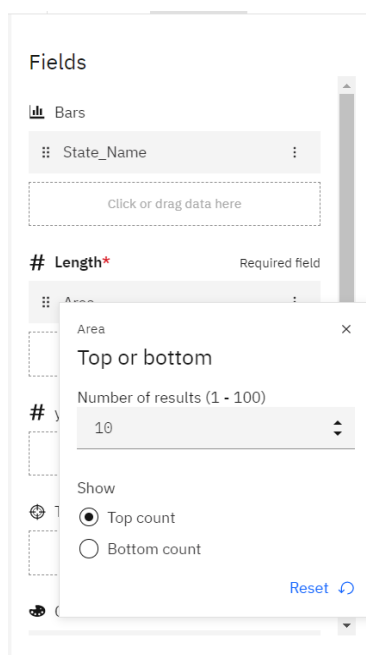
2. With Years Usage Of Area Production

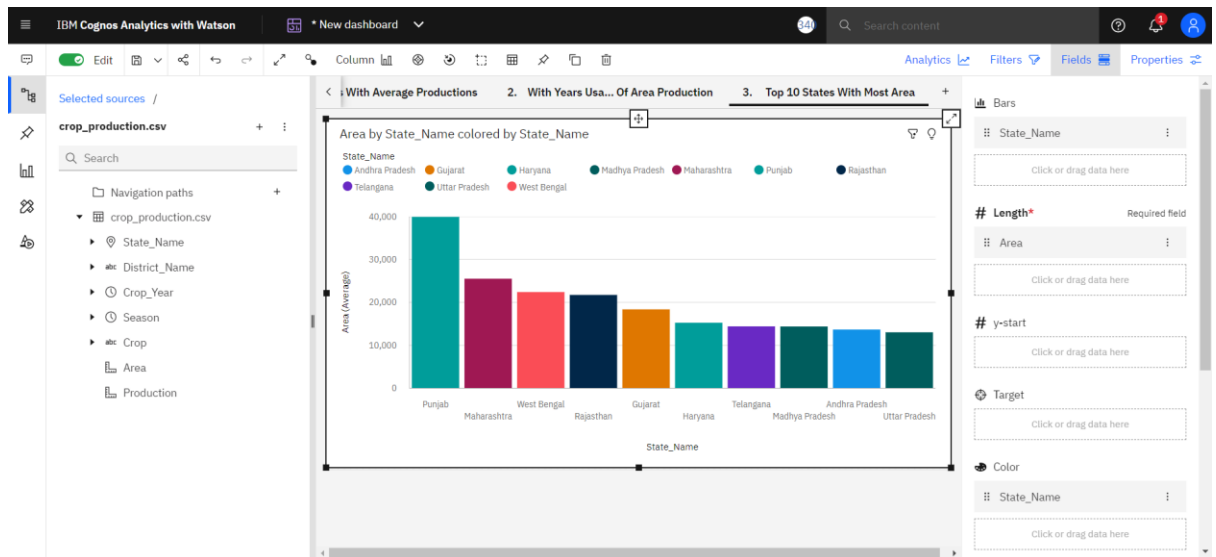
- Select the Area in choose visualization and in fields select "Crop_Year" for X-axis and "Area" for Y-axis.



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

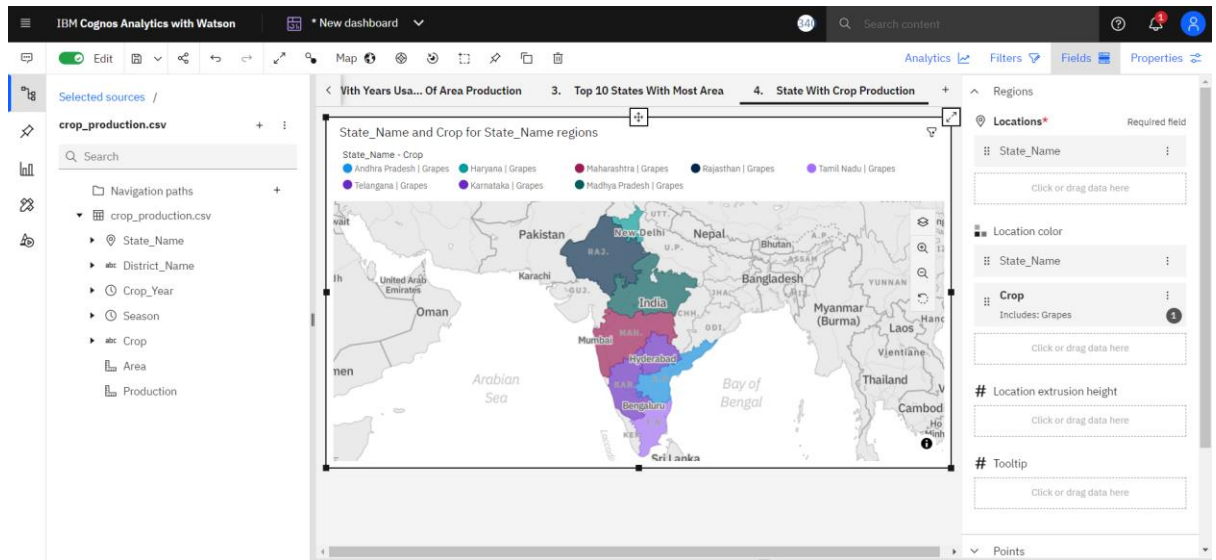
☒ Grapes

Clear all

Invert

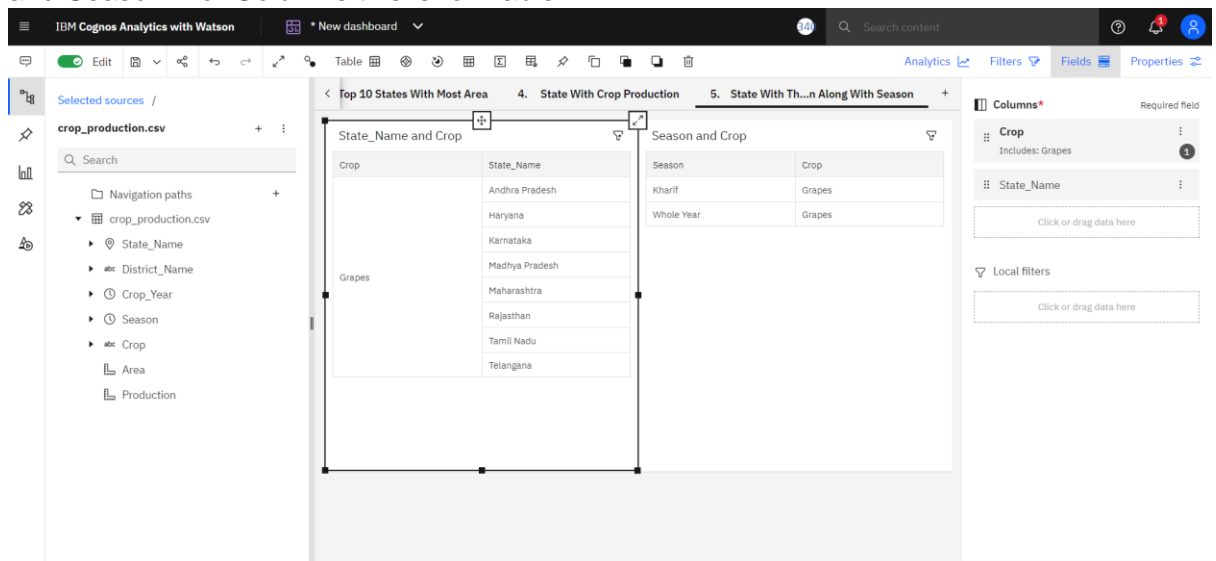
Cancel

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



IBM Cognos Analytics with Watson

New dashboard

Search content

AnalyticsFiltersFieldsProperties

Selected sources /

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

Andhra Pradesh

Haryana

Karnataka

Madhya Pradesh

Maharashtra

Rajasthan

Tamil Nadu

Telangana

Grapes

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

IBM Cognos Analytics with Watson

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crop_production.csv

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crop_production.csv

State_Name

District_Name

Crop_Year

Season

Crop

Area

Production

Top 10 States With Most Area

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

State_Name and Crop

Crop

State_Name

Andhra Pradesh

Haryana

Karnataka

Madhya Pradesh

Maharashtra

Rajasthan

Tamil Nadu

Telangana

Grapes

Season and Crop

Season

Crop

Kharif

Grapes

Whole Year

Grapes

No visualization selected

Select a visualization to manage the field settings.