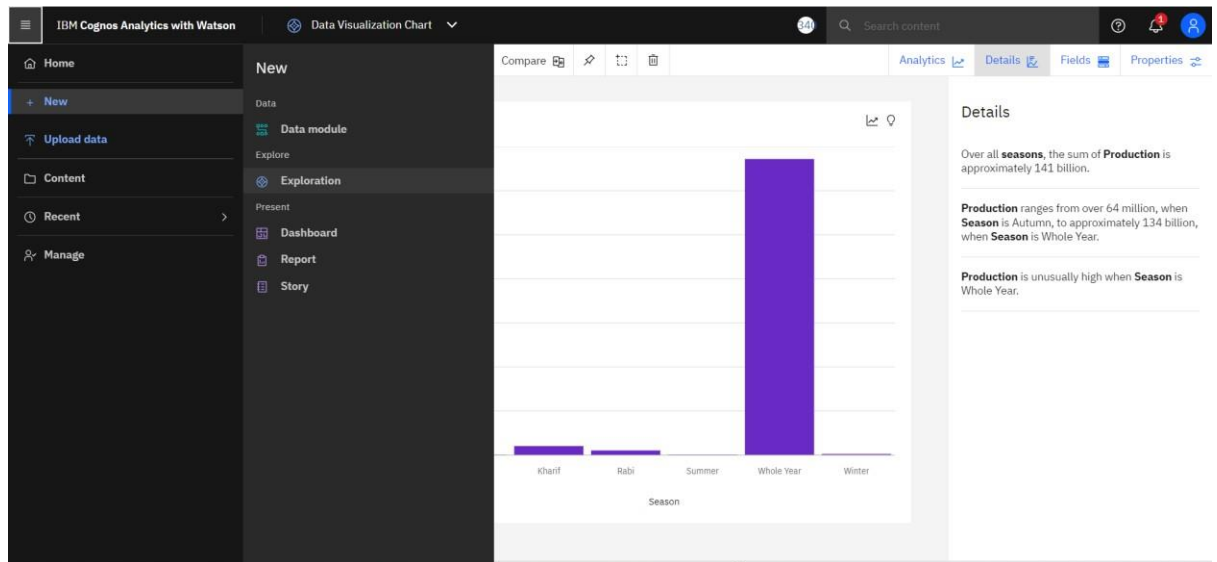


Sprint – 2

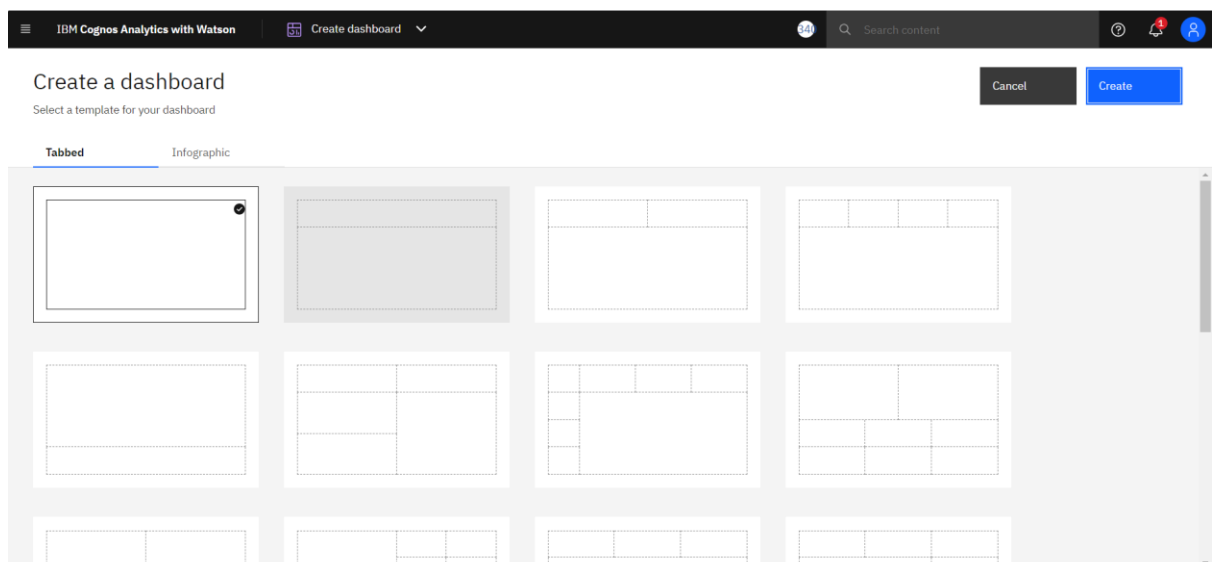
Date	08 November 2022
Team ID	PNT2022TMID53863
Project Name	Estimate the crop yield using Data Analytics

Data Visualization Charts:

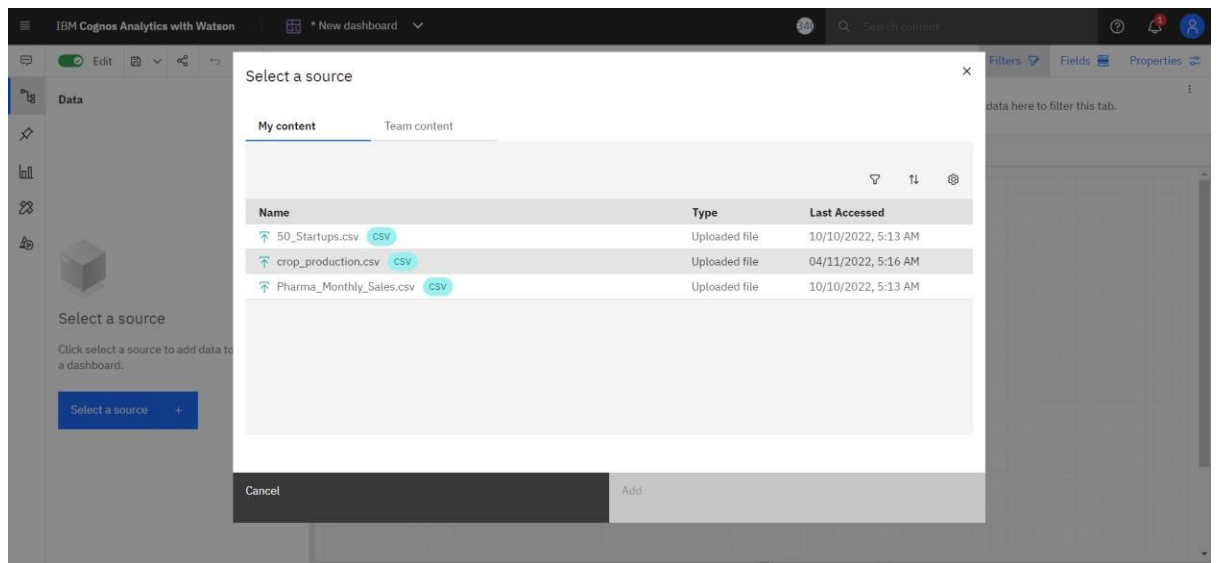
- Login to IBM Cognos then in open menu click **New -> Dashboard** .



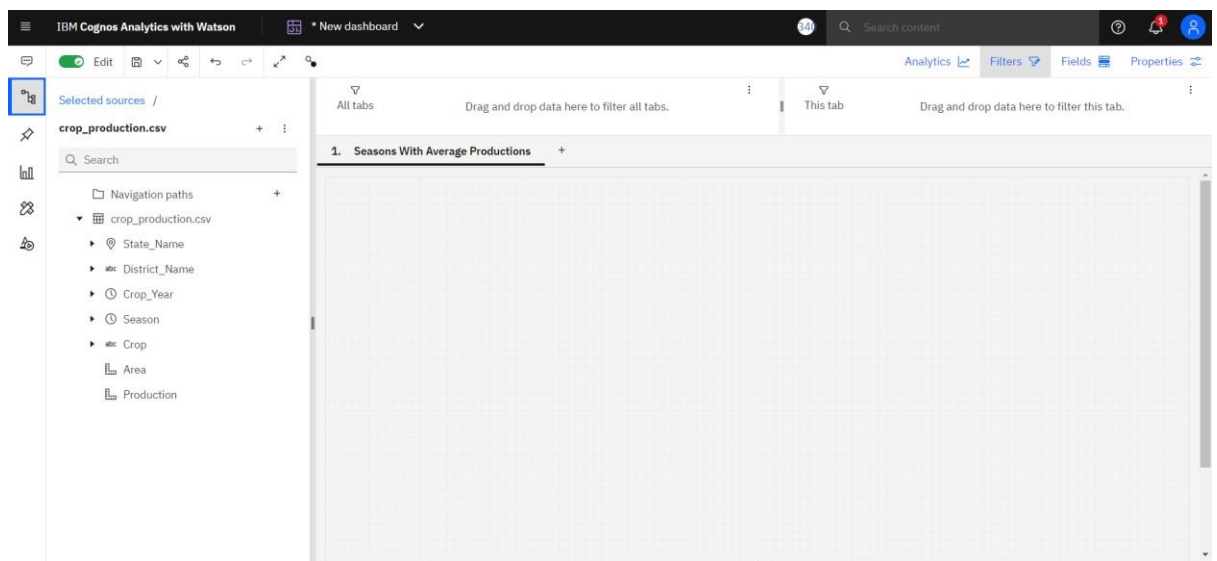
- Select a template for your dashboard and click create.



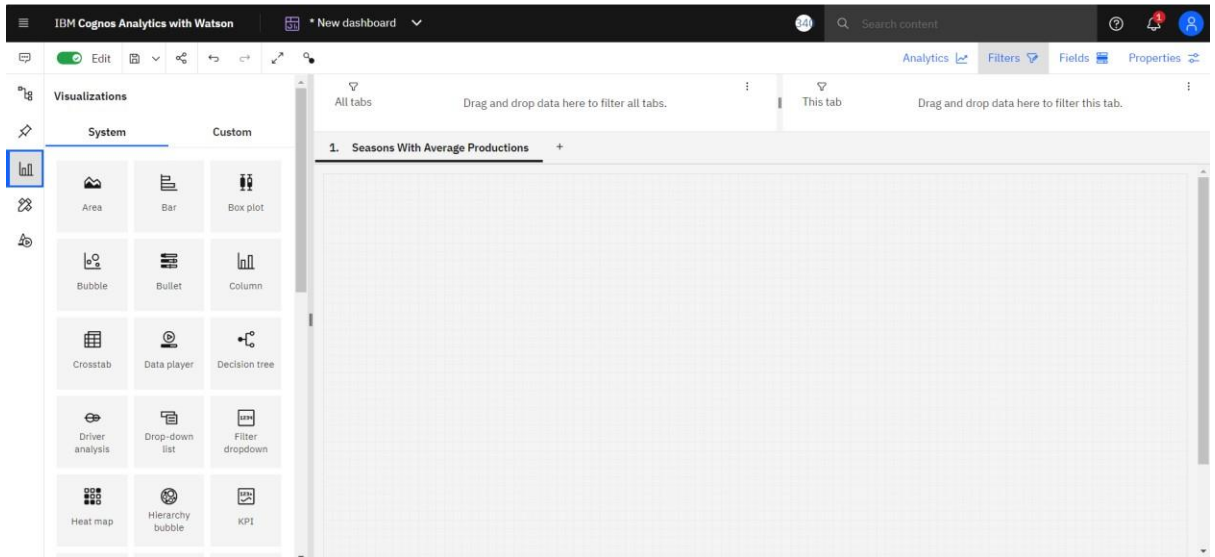
- Then select the **crop_production.csv** dataset under my content tab and click **add** In Add a source.



- Rename the tab title

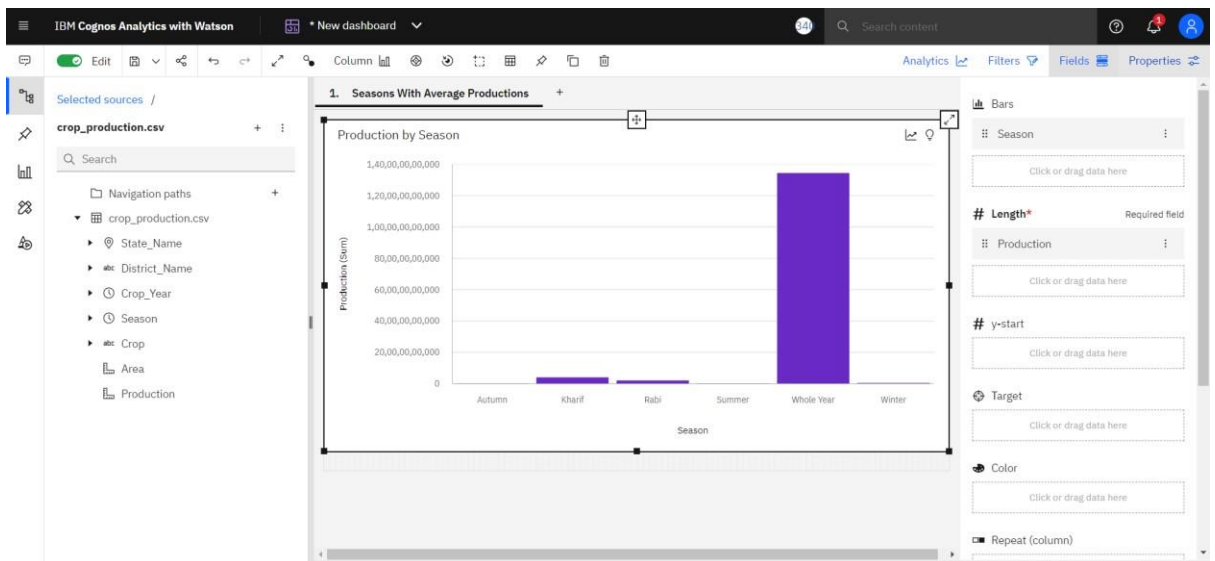


- Select the visualizations and select the system you want.



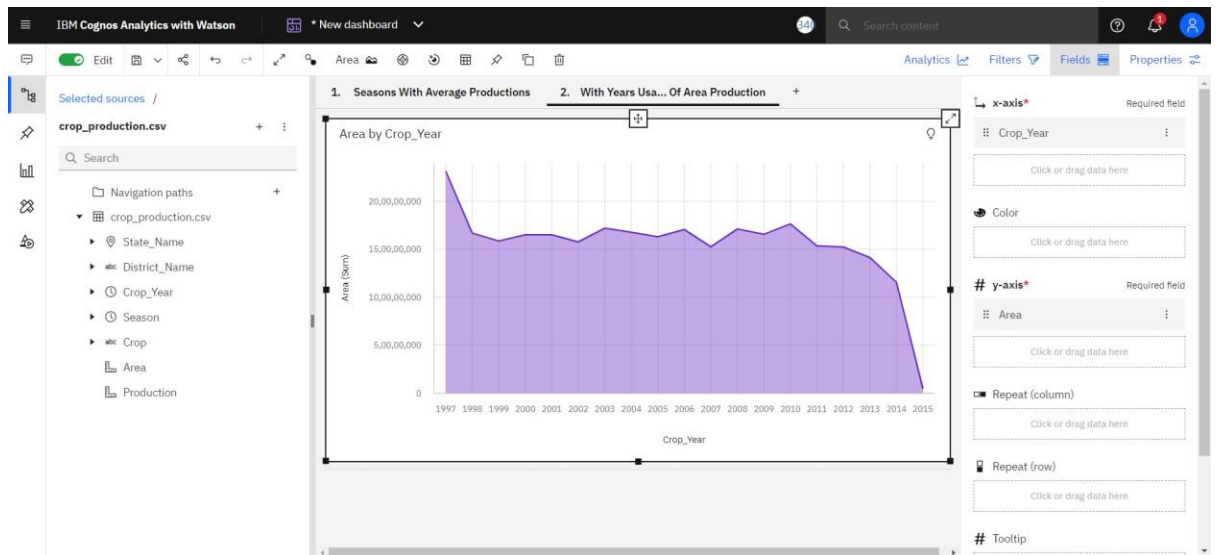
1. Seasons With Average Productions

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



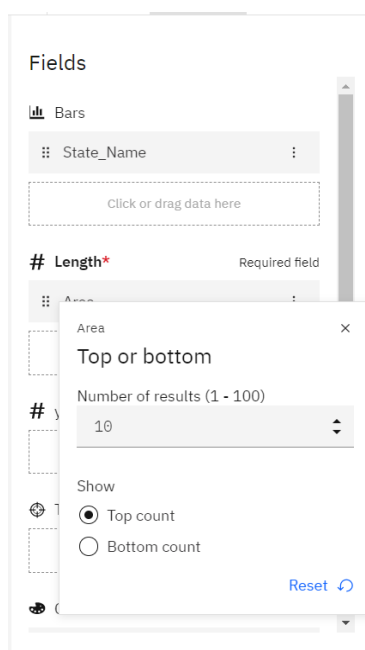
2. With Years Usage Of Area Production

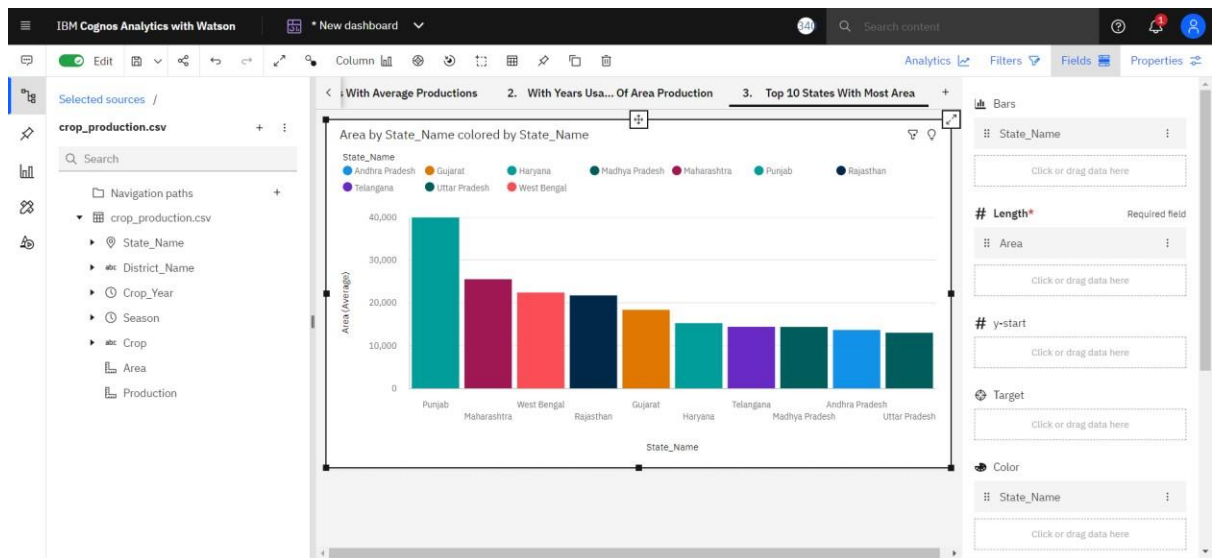
- Select the Area in choose visualization and in fields select "Crop_Year" for X-axis and "Area" for Y-axis.



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

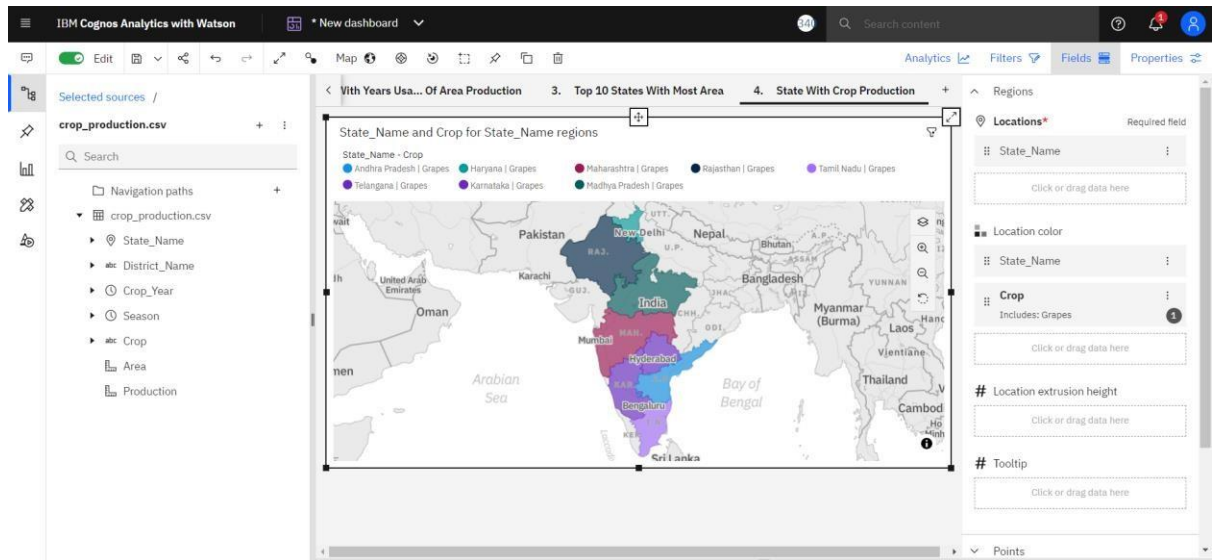
Add a filter condition +

Grapes

☒ Grapes

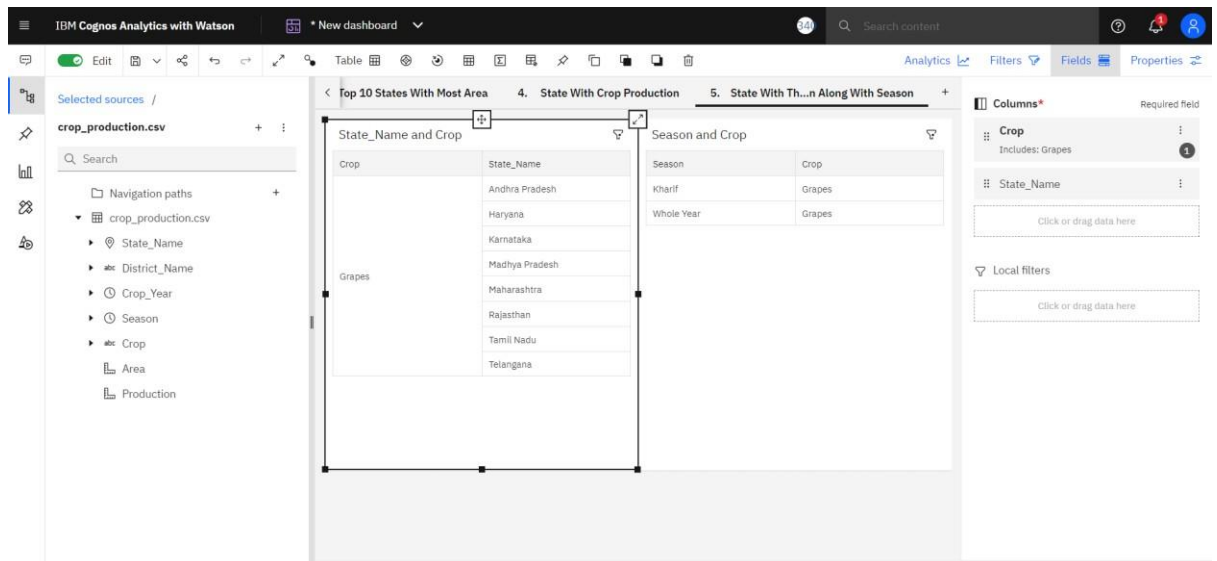
Clear all
Invert

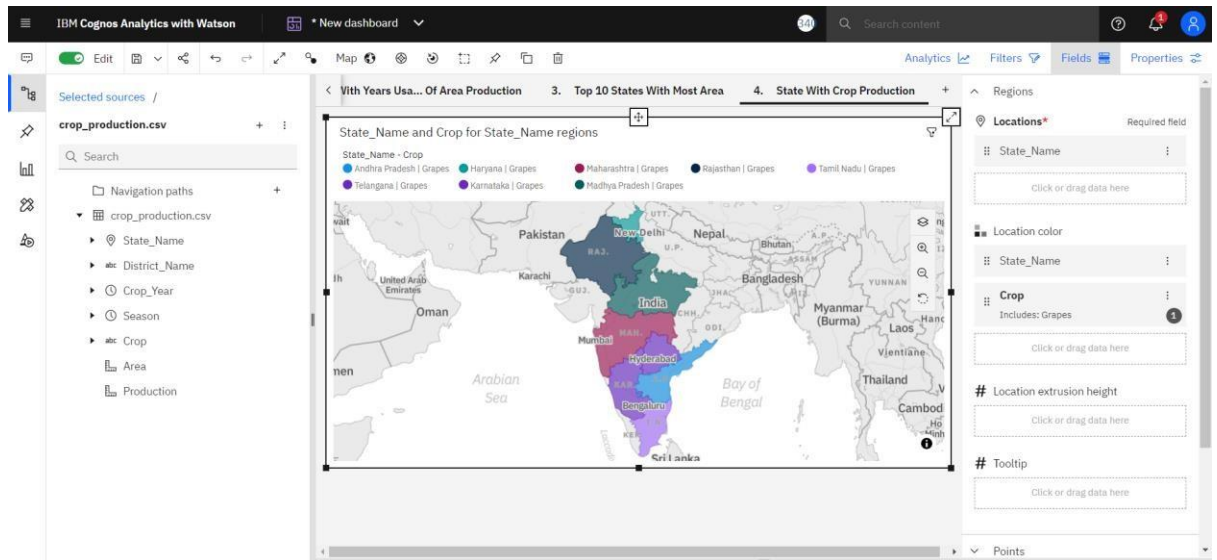
Cancel
Done



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

Edit

Analytics

Filters

Fields

Properties

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
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.