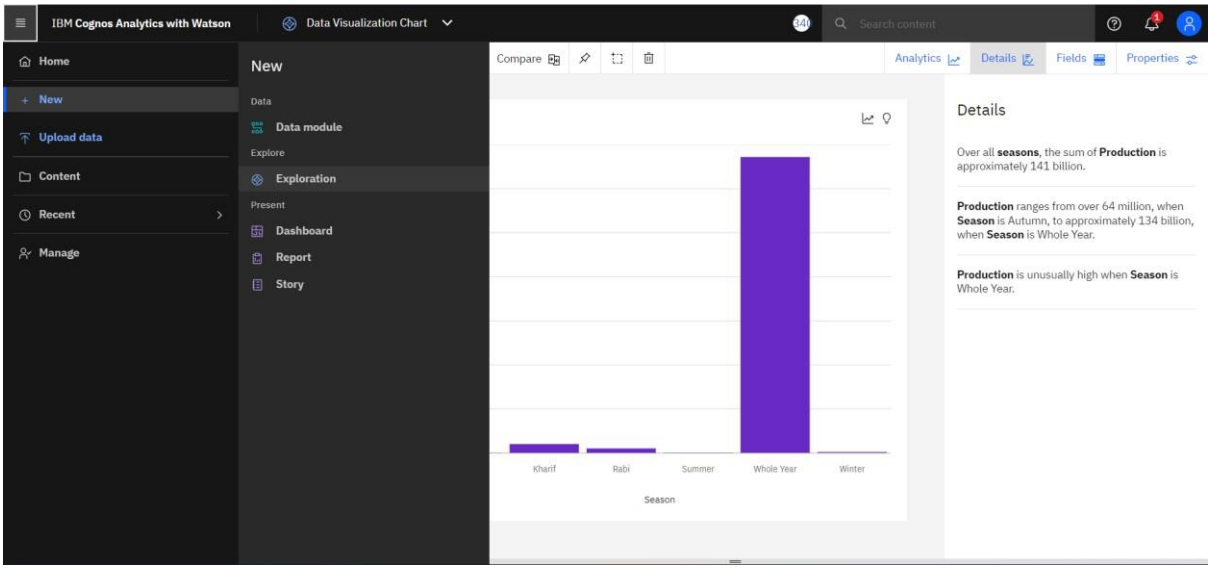
Sprint – 2

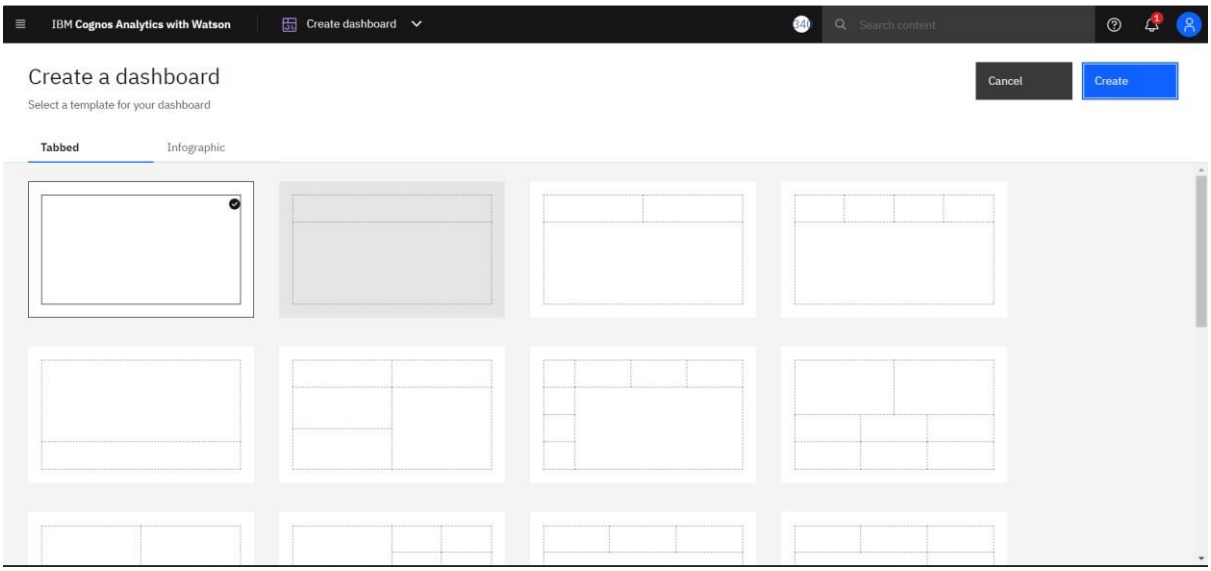
Date	04 November 2022
Team ID	PNT2022TMID36904
Project Name	Estimate the crop yield using Data Analytics

Data Visualization Charts:

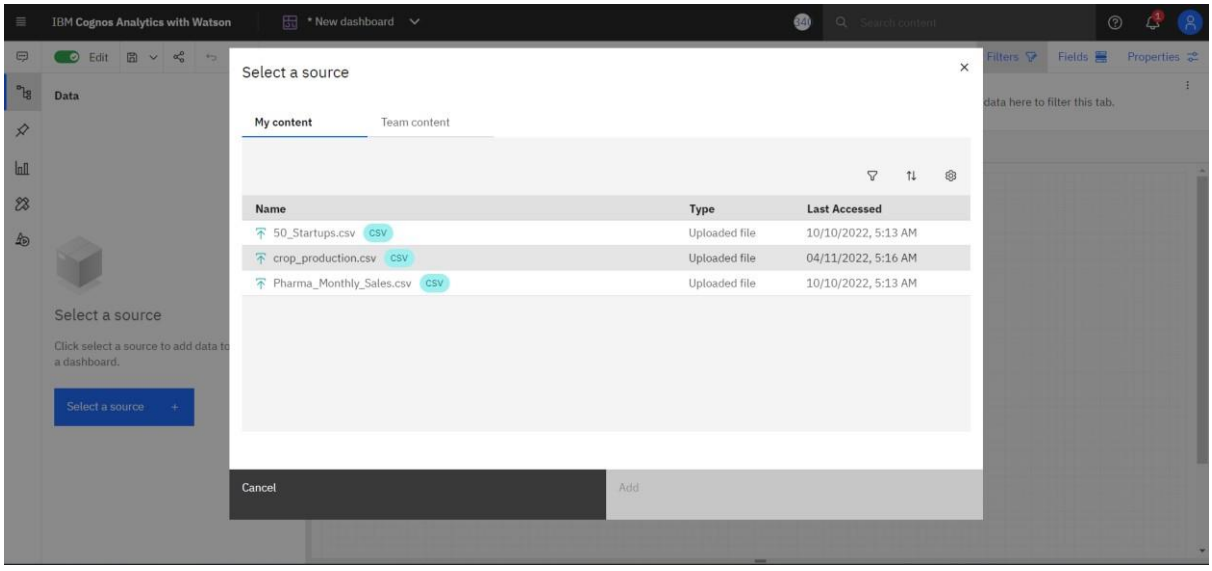
- Login to IBM Cognos then in open menu click **New -> Dashboard .**



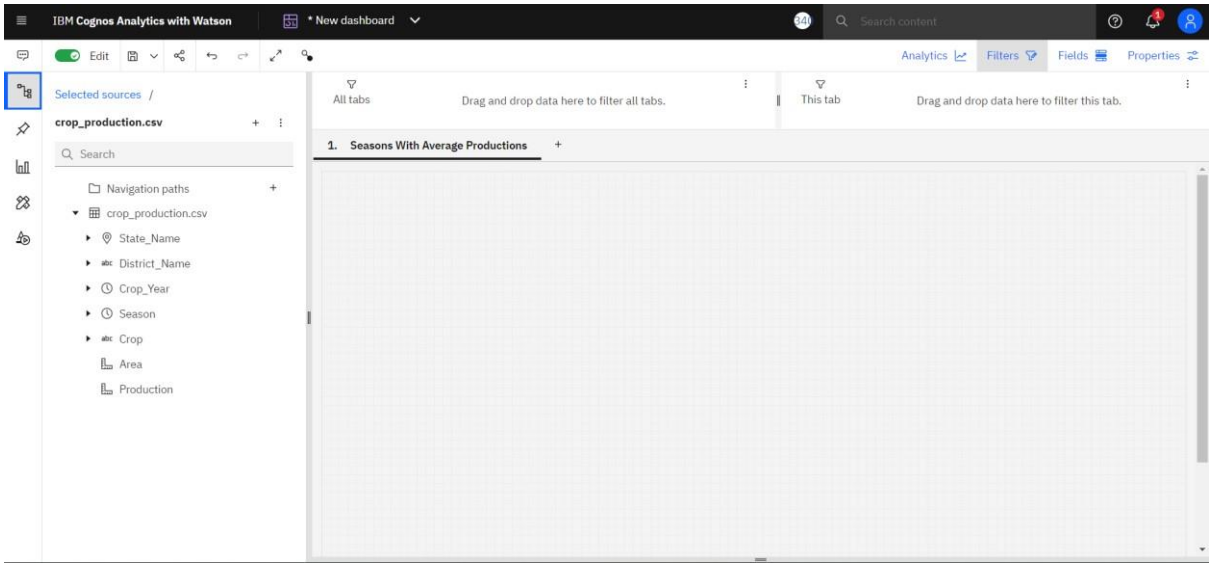
- Select a template for your dashboard and click create.



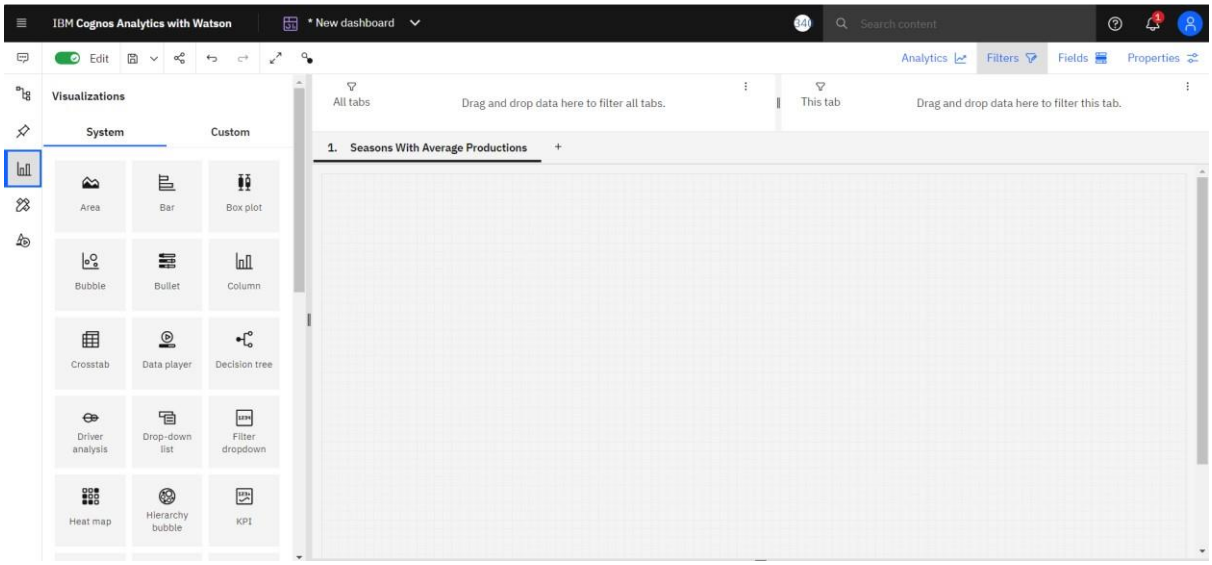
- Then select the **crop_production.csv** dataset under my content tab and click **add** In Add a source.



- Rename the tab title

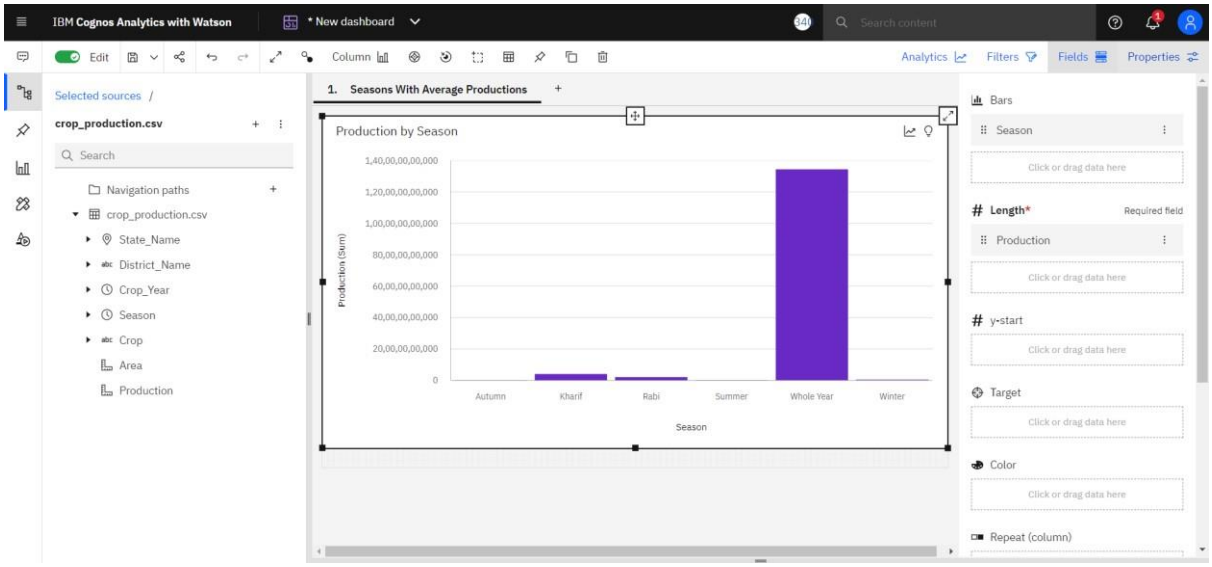


- Select the visualizations and select the system you want.



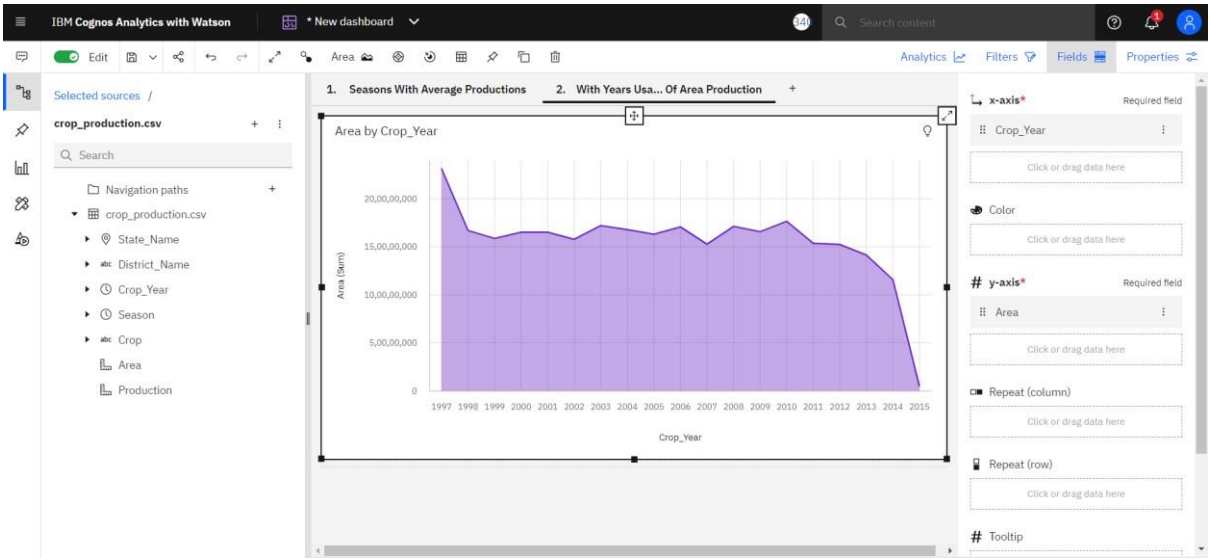
1. Seasons With Average Productions

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



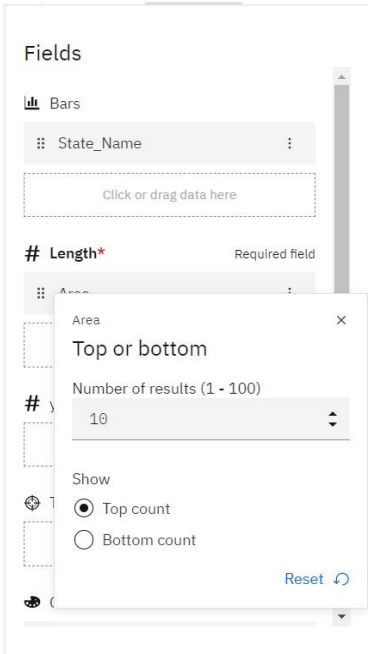
2. With Years Usage Of Area Production

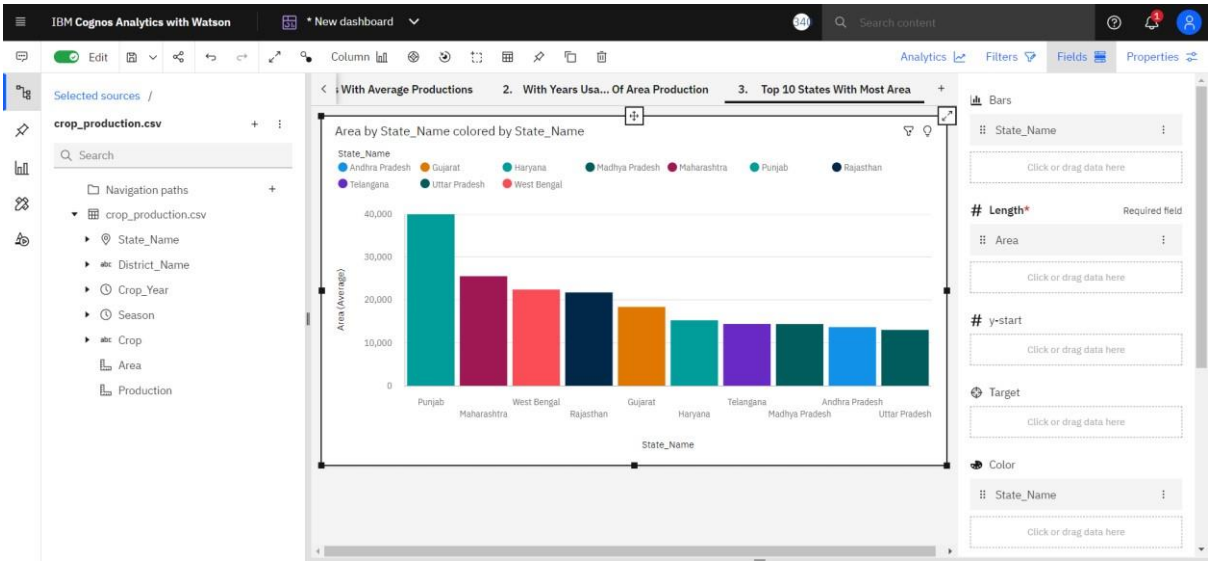
- Select the Area in choose visualization and in fields select "Crop_Year” for X-axis and “Area” for Y-axis.



3. Top 10 States With Most Area

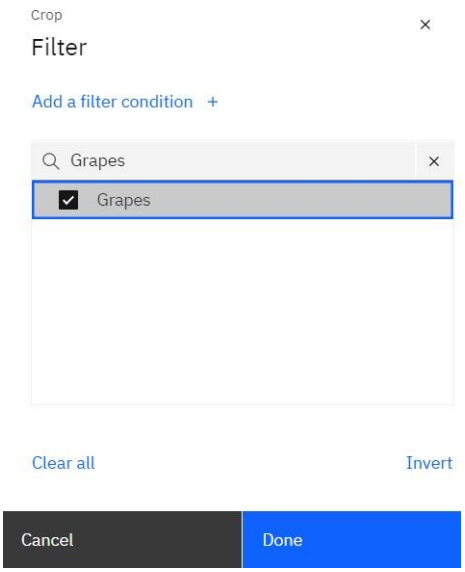
- Select the column in choose visualization and in fields select “State_Name” for Bars , “Area” for Length “State_Name” for Color.
- Select three dots in Area -> Summarize -> Average.
- In Area click on the three dots then select Top or bottom • In Number of Result Enter 10 and select the **Top count**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

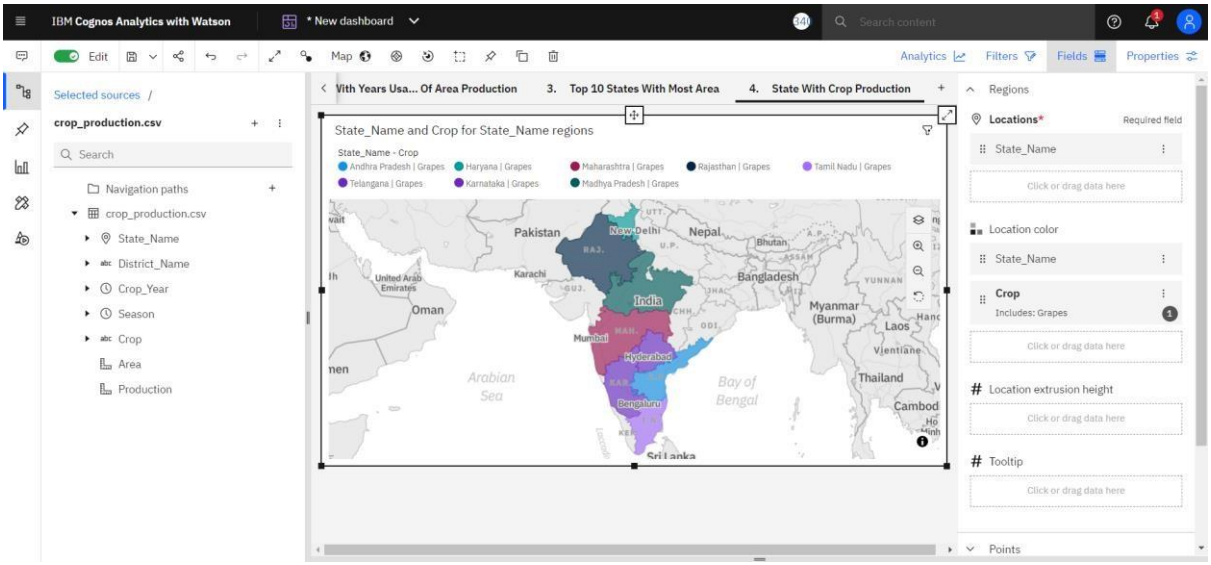




4. State With Crop Production

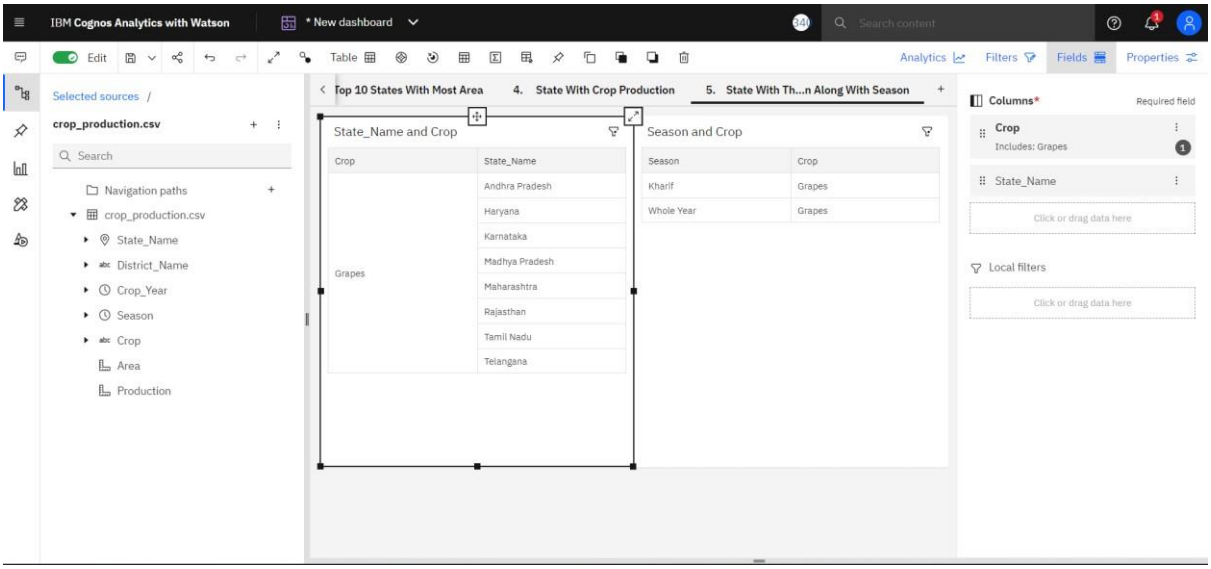
- Select the Map in choose visualization and in fields select “State_Name” for Location and “State_Name and Crop” for Location Color.
- Click three dots in the Crop then select filter and choose particular crop that you want then click done.

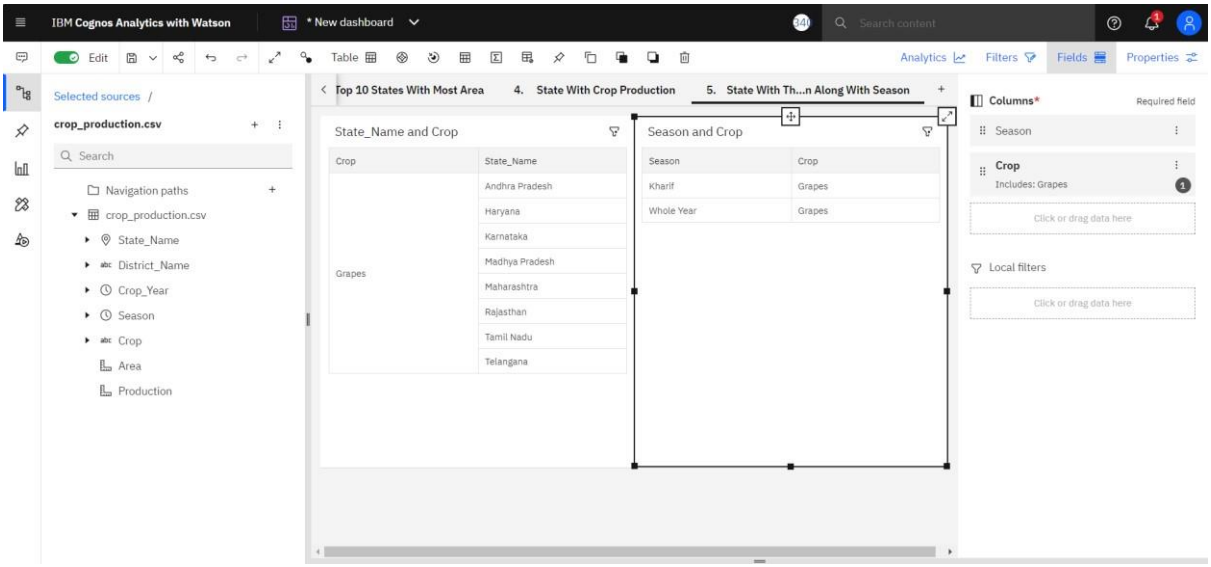


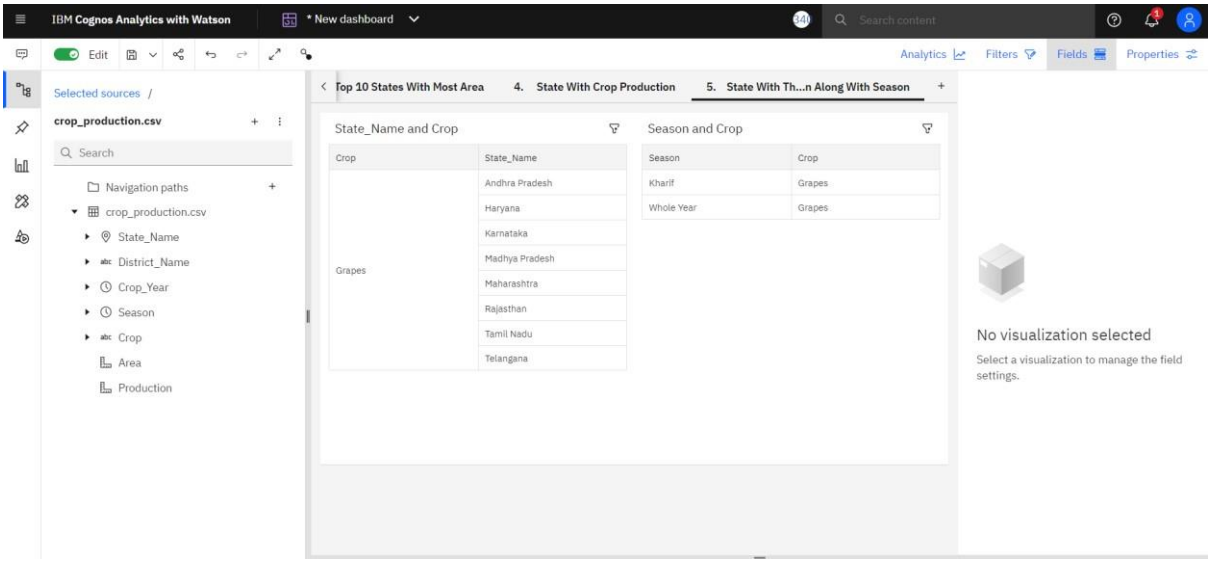


5. State With The Crop Production Along With Season(Text Table)

- 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
Table
Analytics
Filters
Fields
Properties
Selected sources /
crop_production.csv
Search
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


IBM Cognos Analytics with Watson
* New dashboard
Search content
Edit
Analytics
Filters
Fields
Properties
Selected sources /
crop_production.csv
Search
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.