

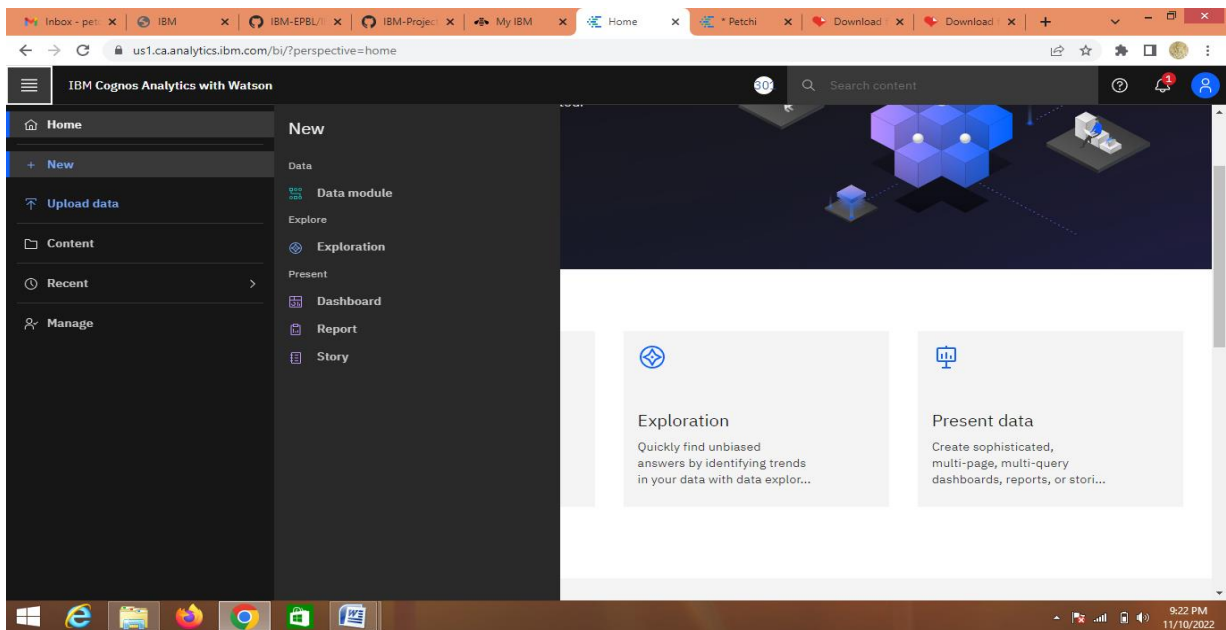
Project Development Phase

Sprint – 3

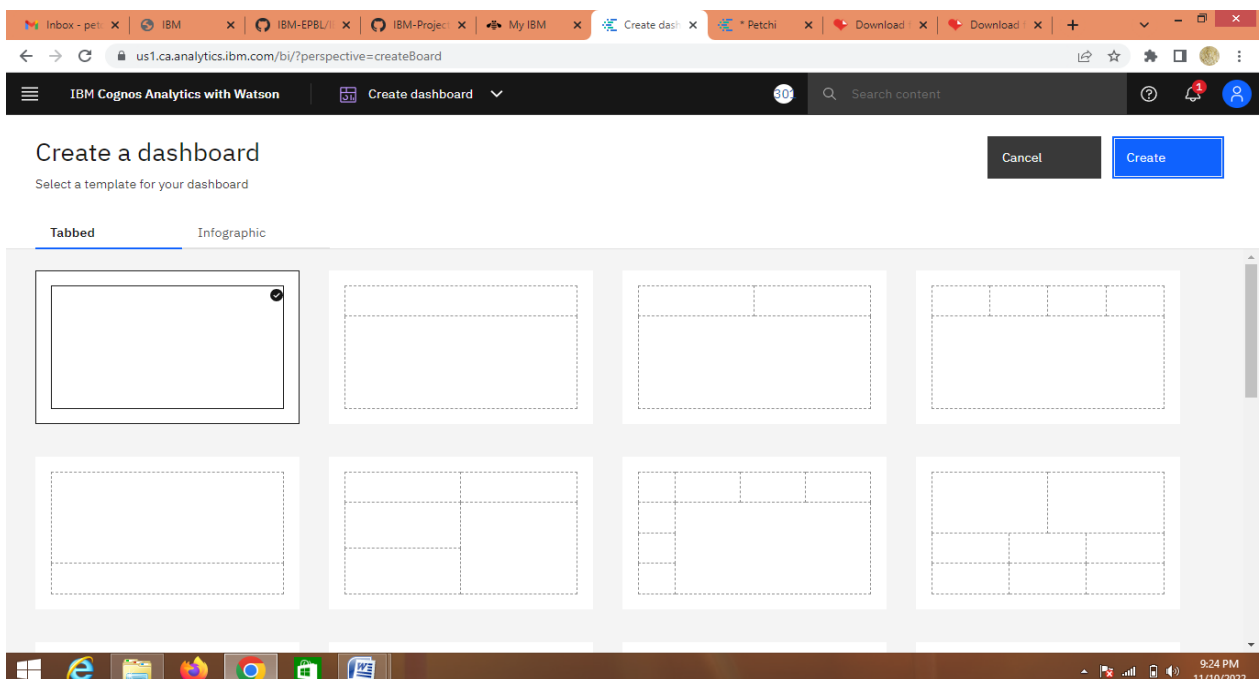
Date	04 November 2022
Team ID	PNT2022TMID14659
Project Name	Estimate the crop yield using Data Analytics

Data Visualization Charts:

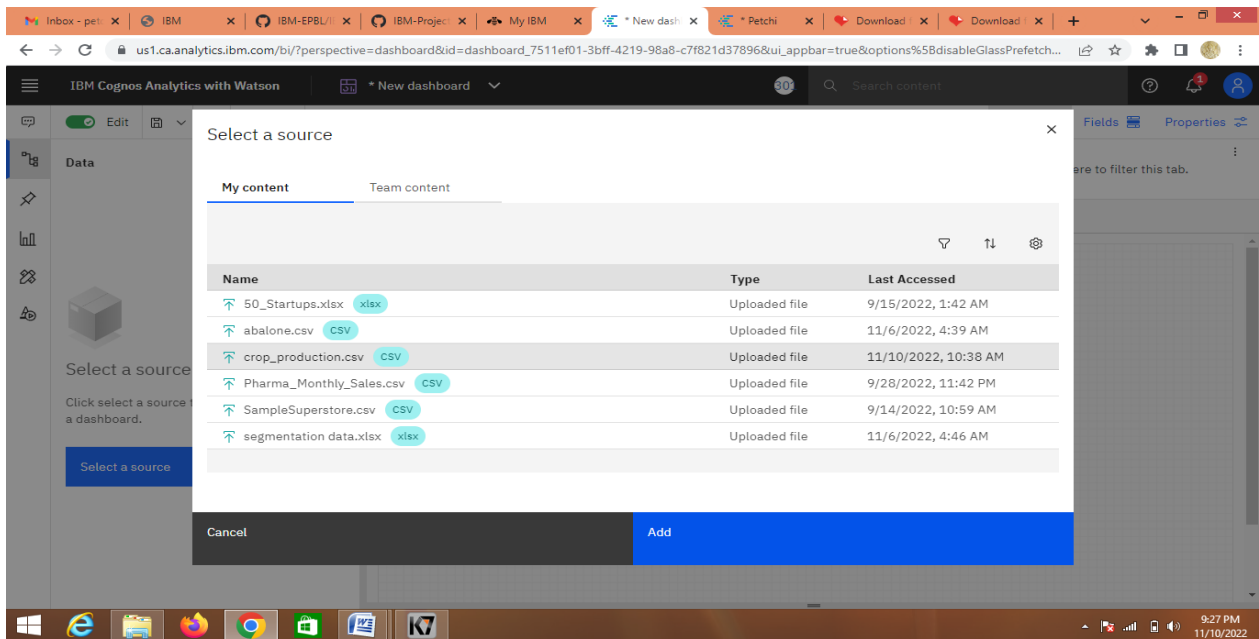
- Login to IBM Cognos then in open menu click **New -> Dashboard** .



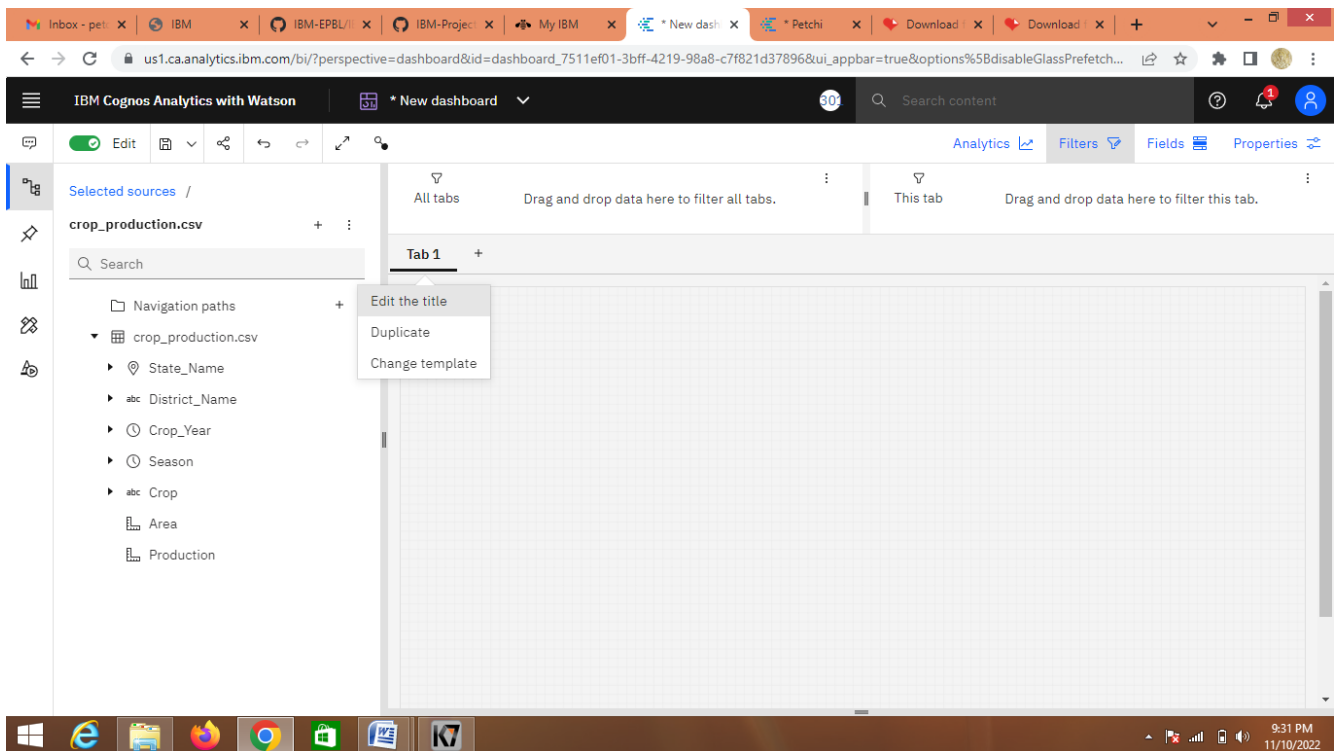
- Select a template for your dashboard and click create.



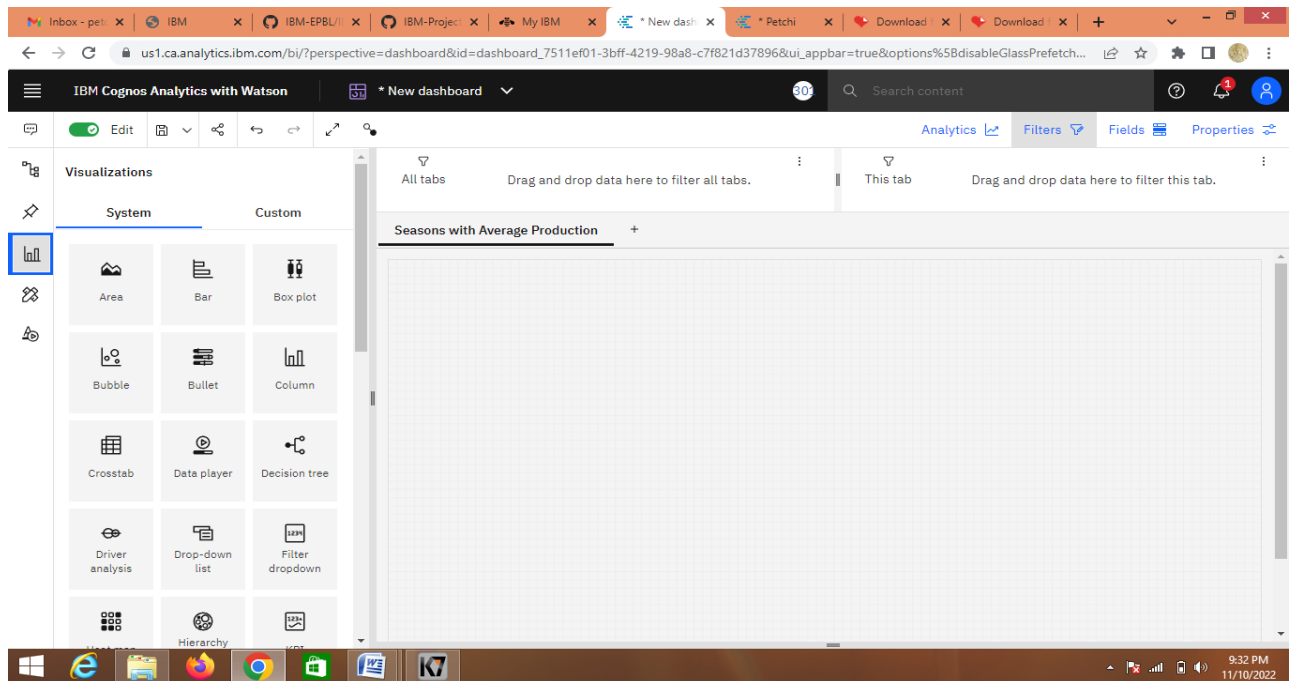
- Click the select a source then select the **crop_production.csv** dataset under **My content** tab and click **Add**



- Rename the tab title

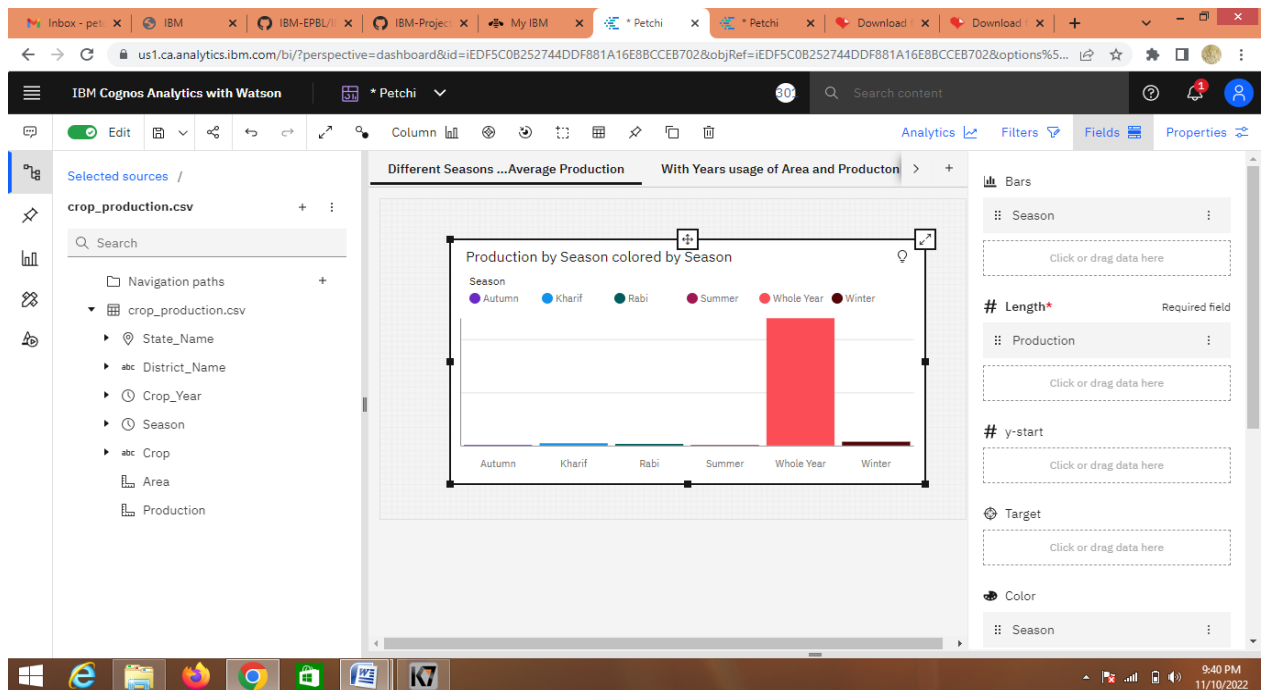


- Select the visualizations and select the system you want.



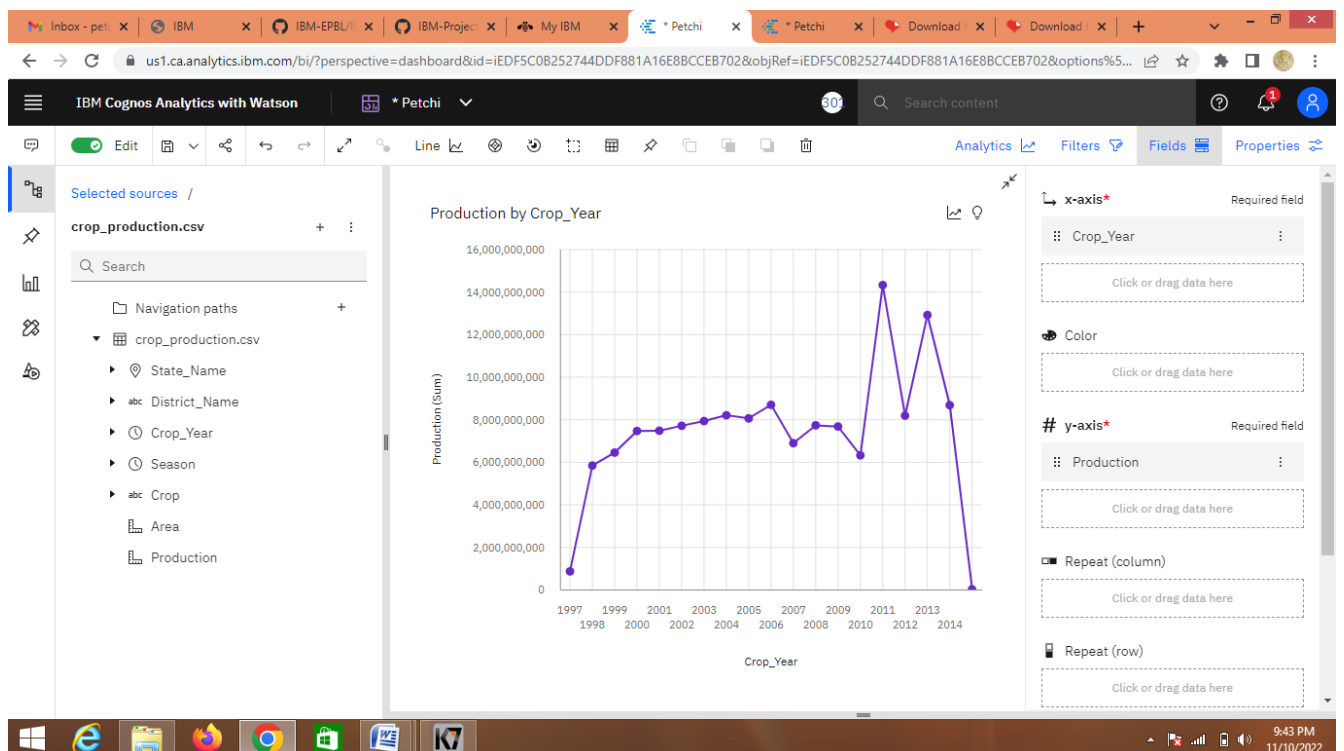
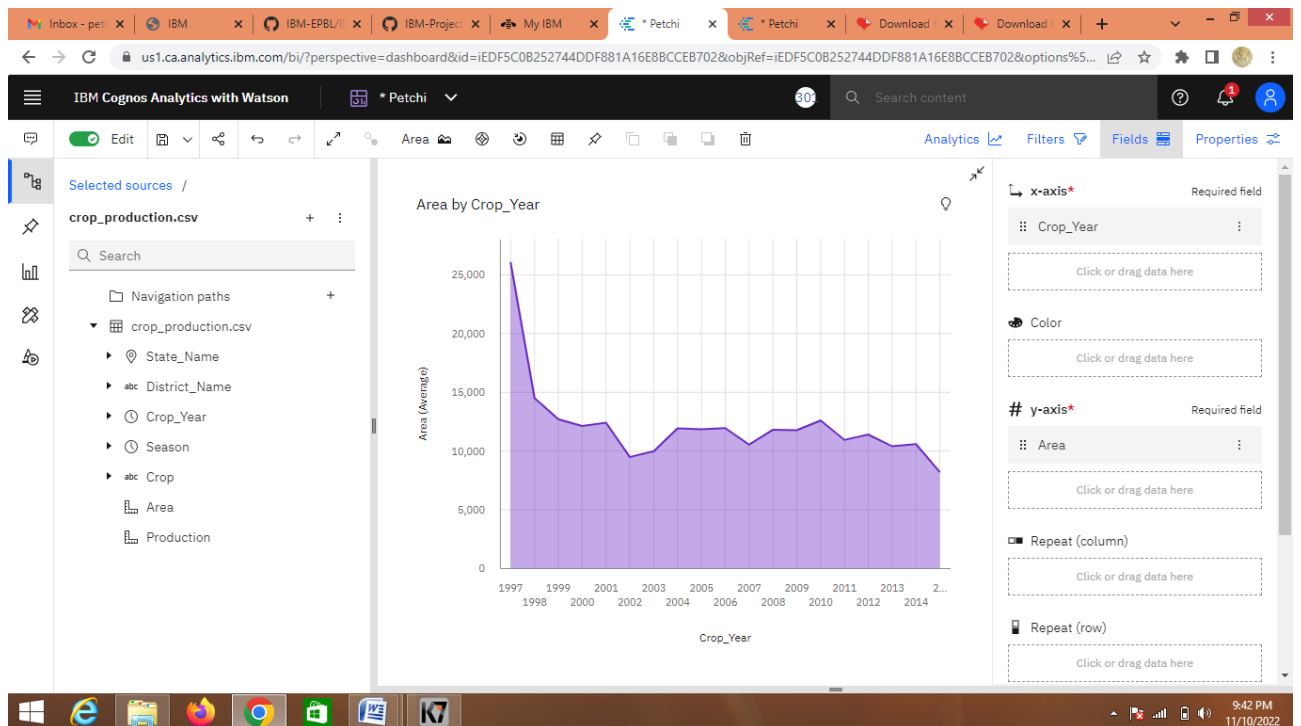
1. Seasons With Average Productions

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



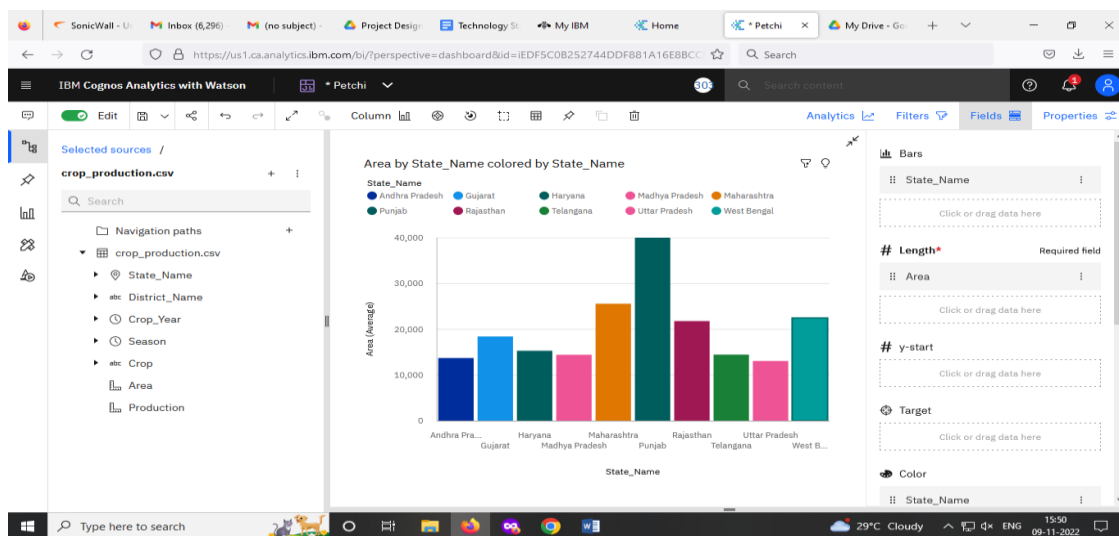
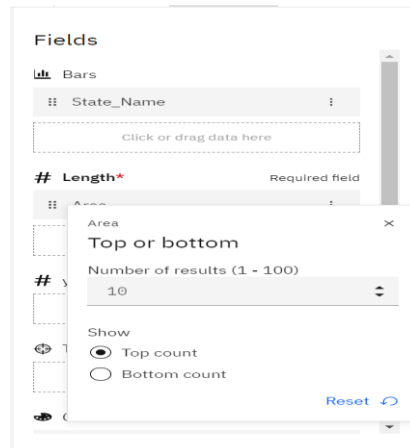
2. With Years Usage Of Area Production

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



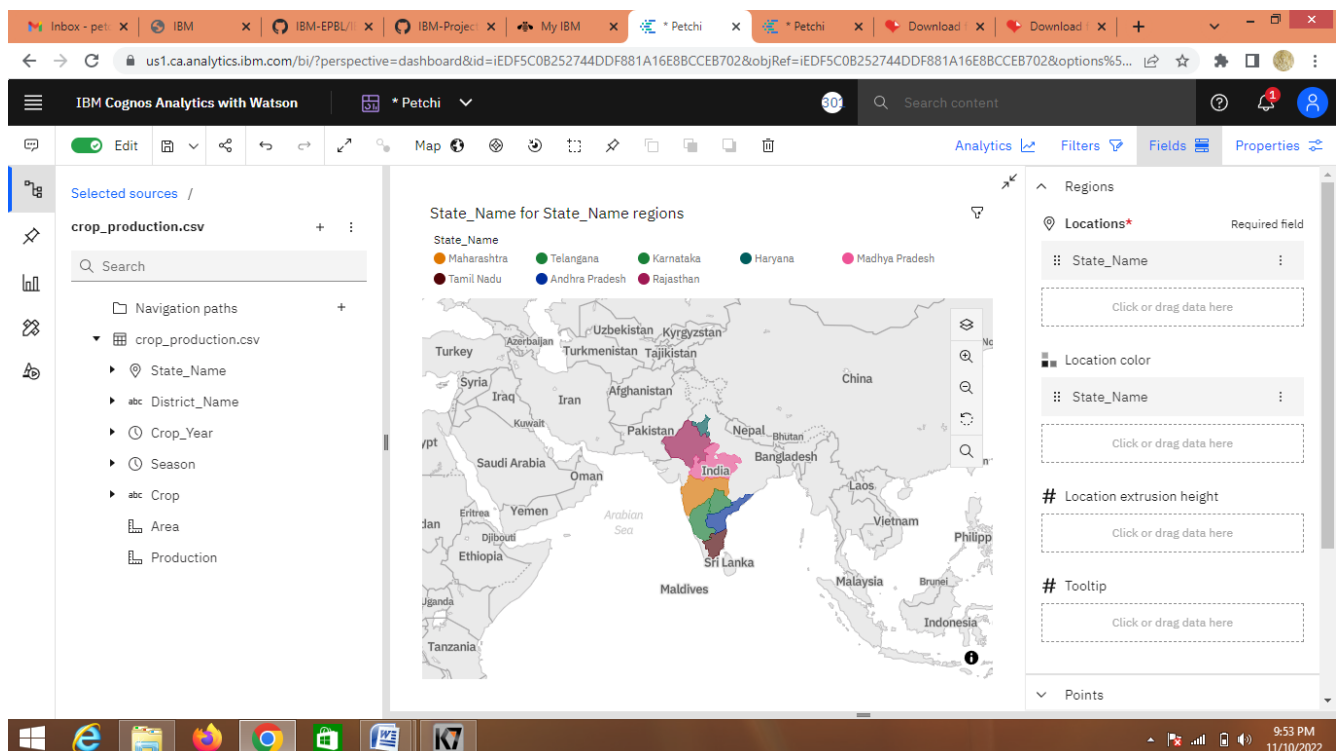
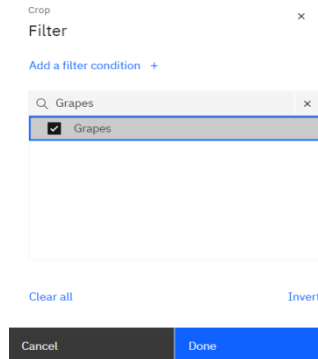
3. Top 10 States With Most Area

- 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

The screenshot displays the IBM Cognos Analytics interface. On the left, the 'Selected sources' pane shows a tree view for 'crop_production.csv' with fields like State_Name, District_Name, Crop_Year, Season, Crop, Area, and Production. The main workspace contains two tables:

Crop	State_Name
Gram	Andhra Pradesh
	Assam
	Bihar
	Chandigarh
	Chhattisgarh
	Dadra and Nagar H...
	Gujarat

Crop	Season
Gram	Kharif
	Rabi
	Whole Year
	Winter

On the right, the 'Columns' pane shows 'Crop' and 'State_Name' as required fields. Below it, there are sections for 'Local filters' and 'Properties'.

