

Date	09 November 2022
Team ID	PNT2022TMID29071
Project Name	Estimate The Crop Yield Using Data Analytics

## Data Visualization Charts

Using the Crop production in Indian dataset, we plan to create various graphs and charts to highlight the insights and visualizations.

- Build a Visualization to showcase Average Crop Production by Seasons.
- Showcase the Yearly usage of Area in Crop Production.

Build a visualization to show case top 10 States in Crop Yield Production by Area.

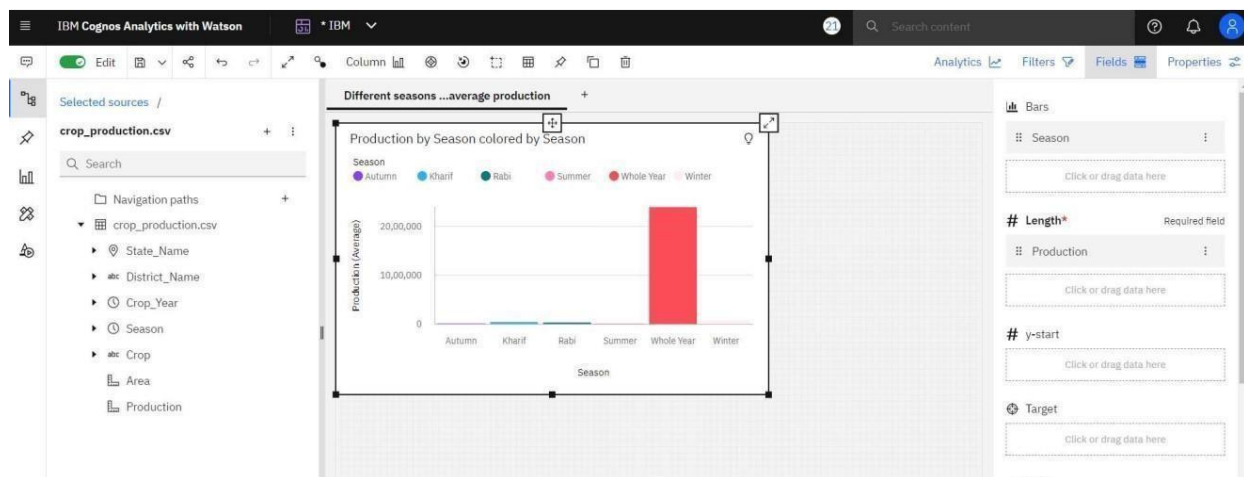
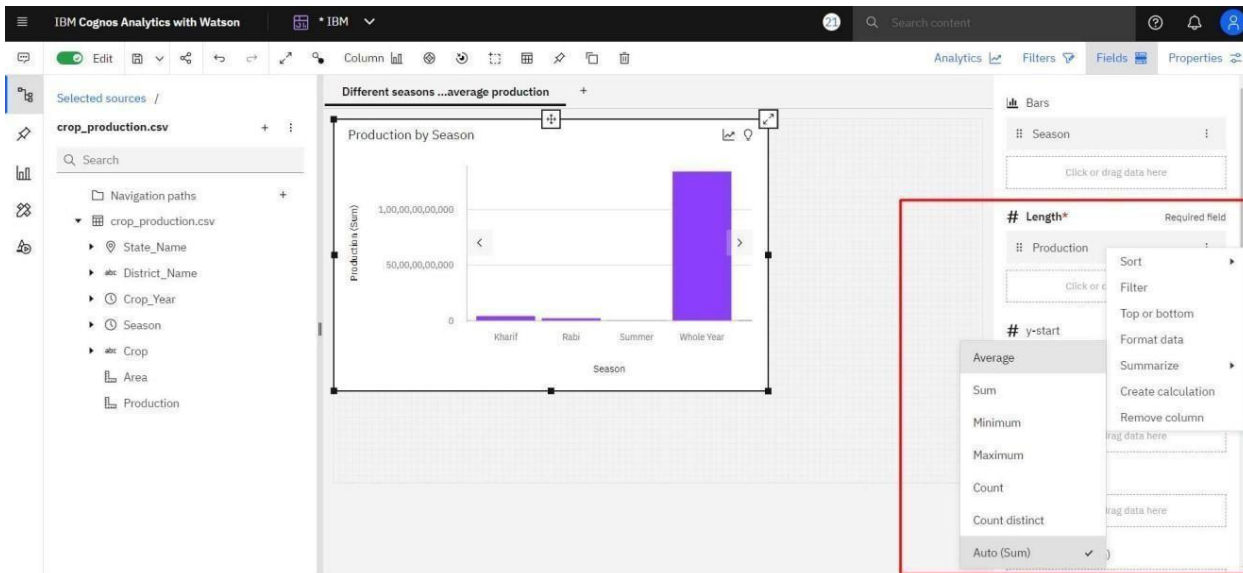
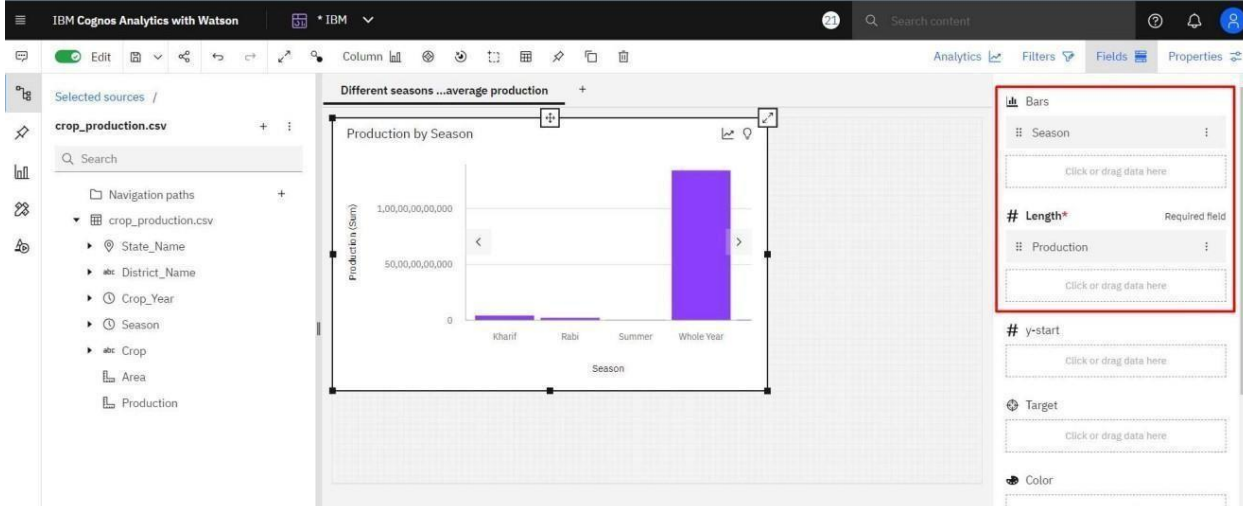
Build the required Visualization to showcase the Crop Production by State. \*Build Visual analytics to represent the States with Seasonal Crop Production using a Text representation.

### 1. Seasons with Average Productions

As production of crops depends on different seasons, so let's plot the graphs to visualize the average production based on different seasons.

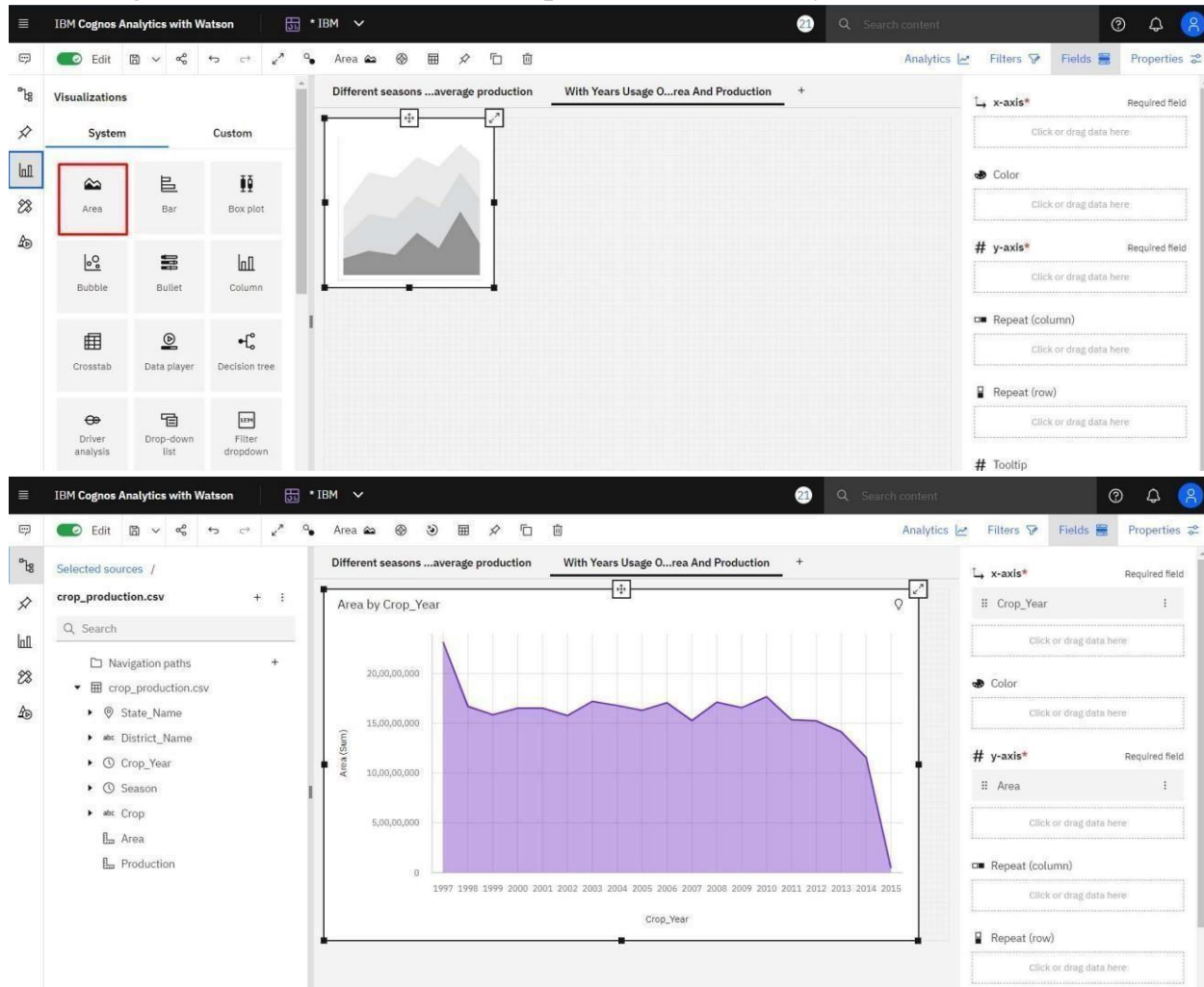
Click on column Visualization:

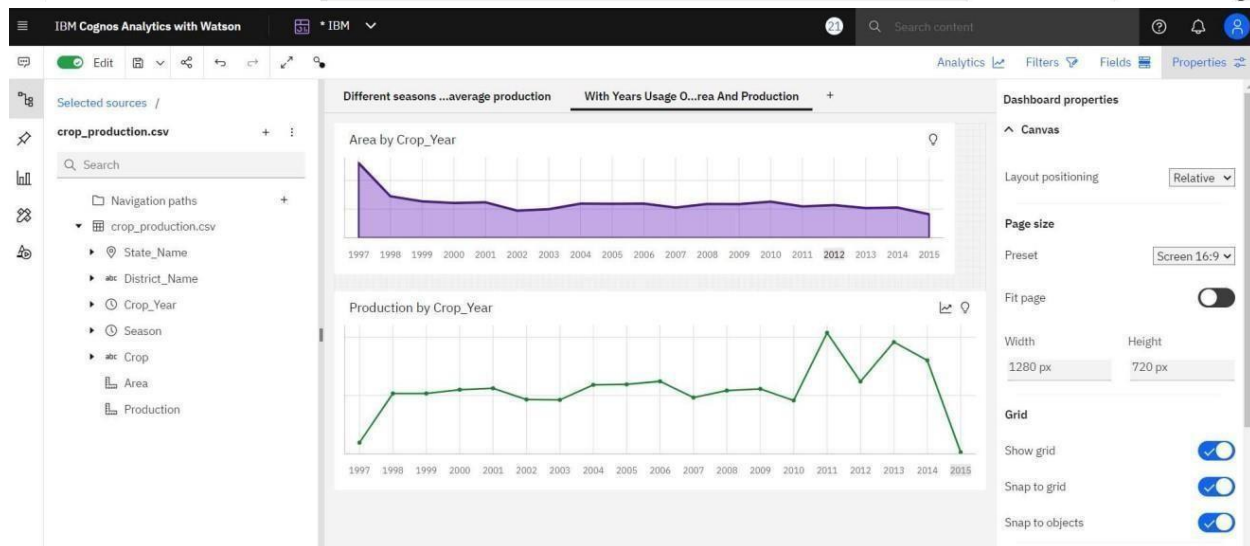
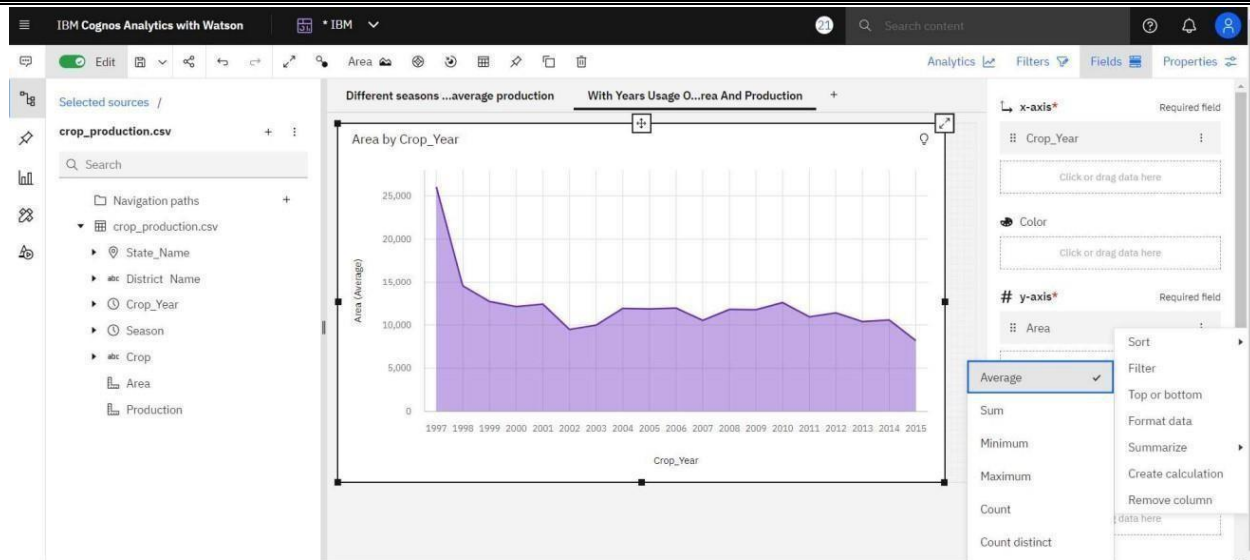




## 2. With Years Usage of Area and Production

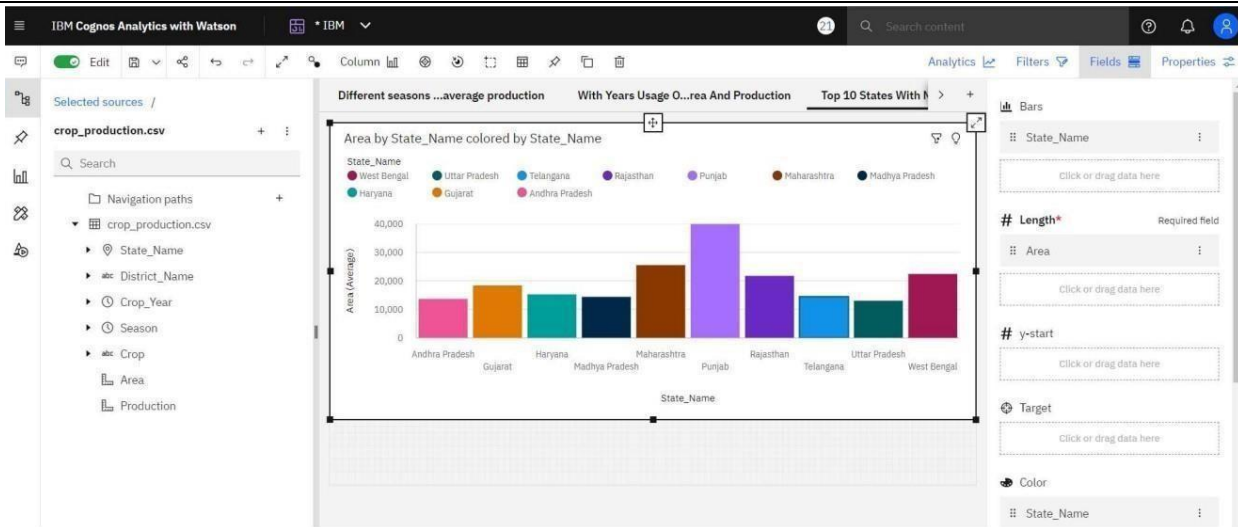
In our dataset we also have a year's columns by which we will plot a line and areagraphs to see the change in these both data with respect to increase in years.





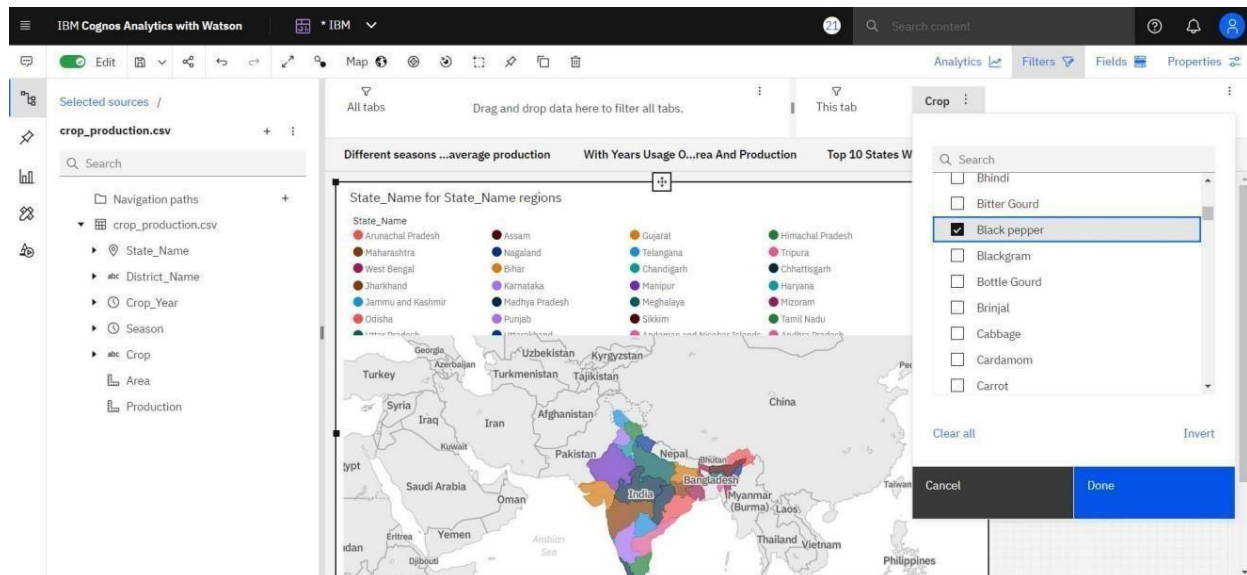
### 3. Top 10 States with Most Area

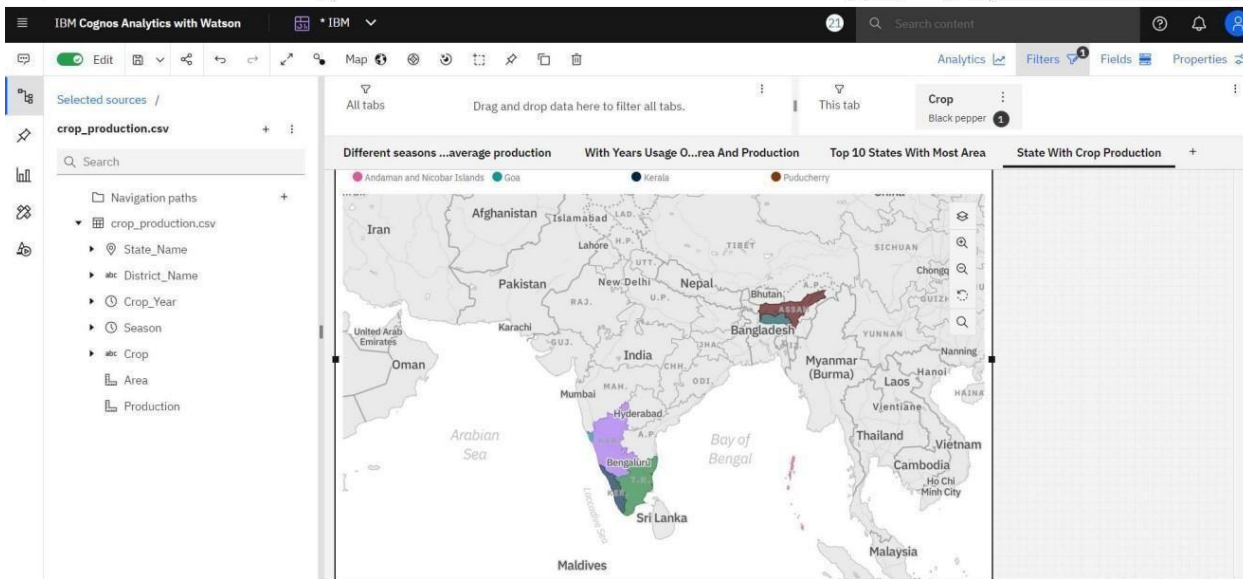
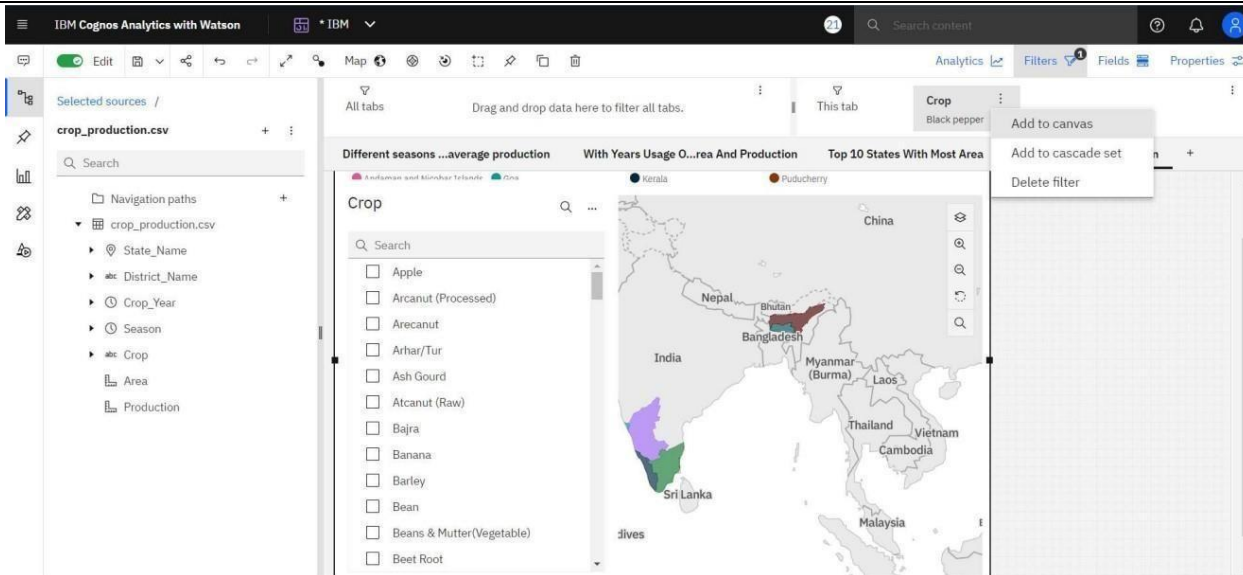
As we have an area data in our dataset, we will be plotting some graphs to visualize the top 10 Indian states with the most area.



## 4. State with Crop Production

There are so many different crops produced in Indian and most of us don't know which crop is belongs to which state so we will be plotting and highlight the states in map according to different crops.

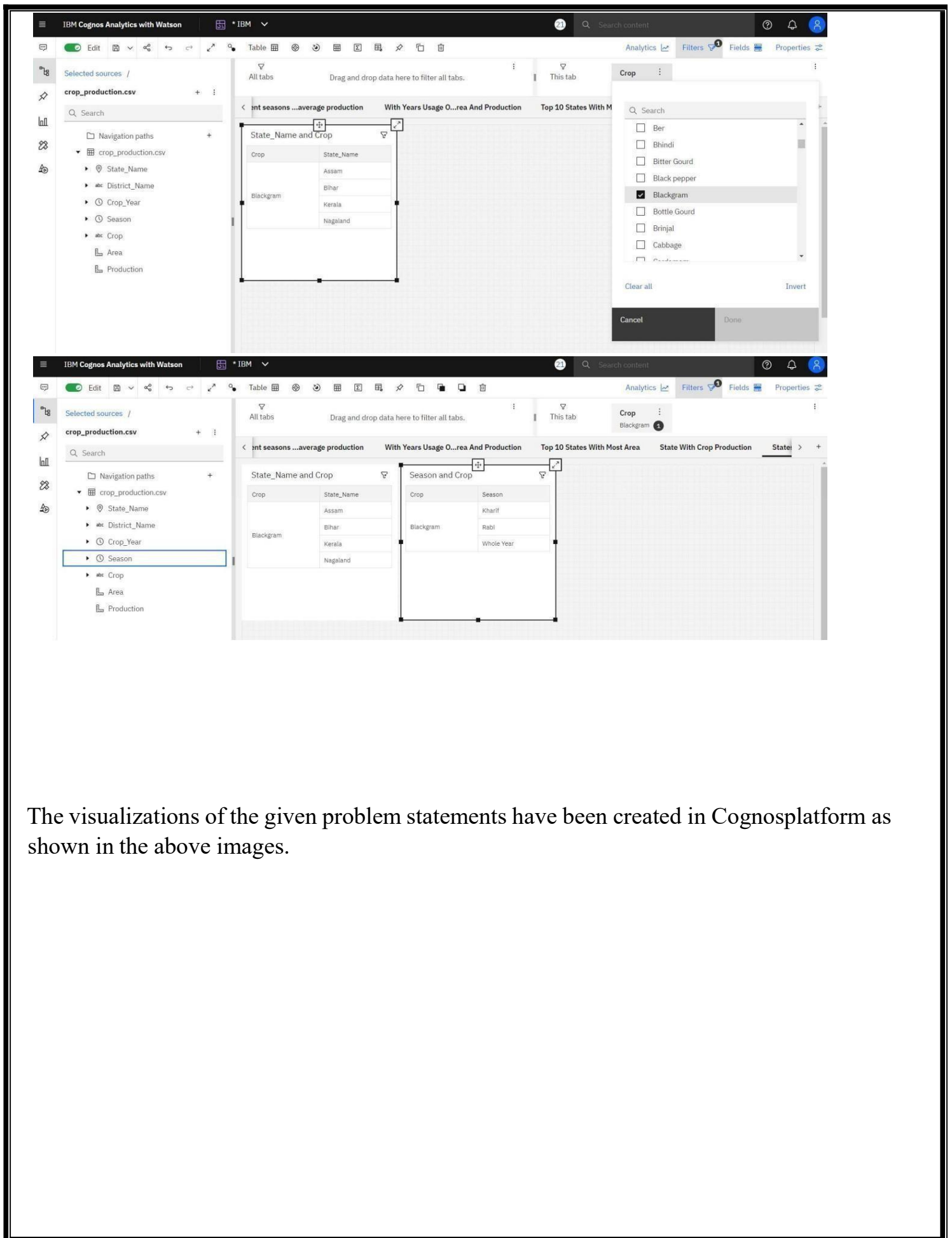




## 5. States with The Crop Production Along with Season (TextTable)

Taking forward the previous plot we will be fetching the state name and showing it in a text table whenever different crops are chosen.





The visualizations of the given problem statements have been created in Cognosplatform as shown in the above images.