Sprint – 2
(Data Visualization Chart)

USN-7 [Using the Crop production in India dataset, create various graphs and charts to highlight the insights and visualizations.]

Date	05 Nov 2022
Team ID	PNT2022TMID20086
Project Name	Estimate The Crop Yield Using Data Analytics

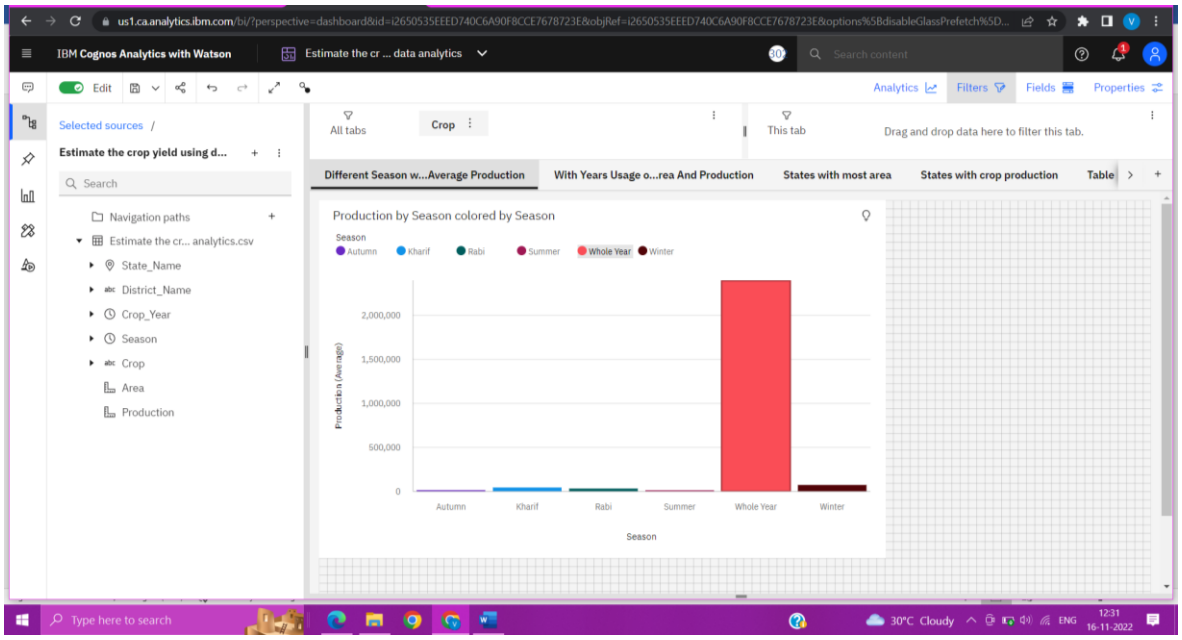
Using the Crop production in India dataset, create various graphs and charts to highlight the insights and visualizations.

* 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 Sates with Seasonal Crop Production Using a Text Representation.

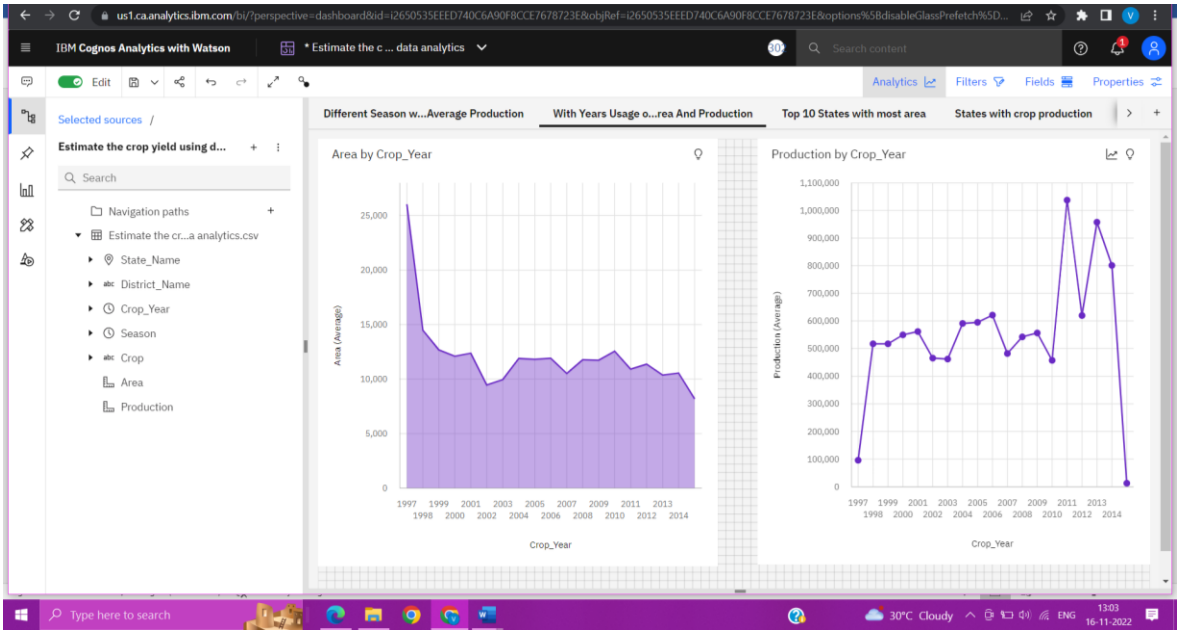
1. Seasons with Average Production:

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



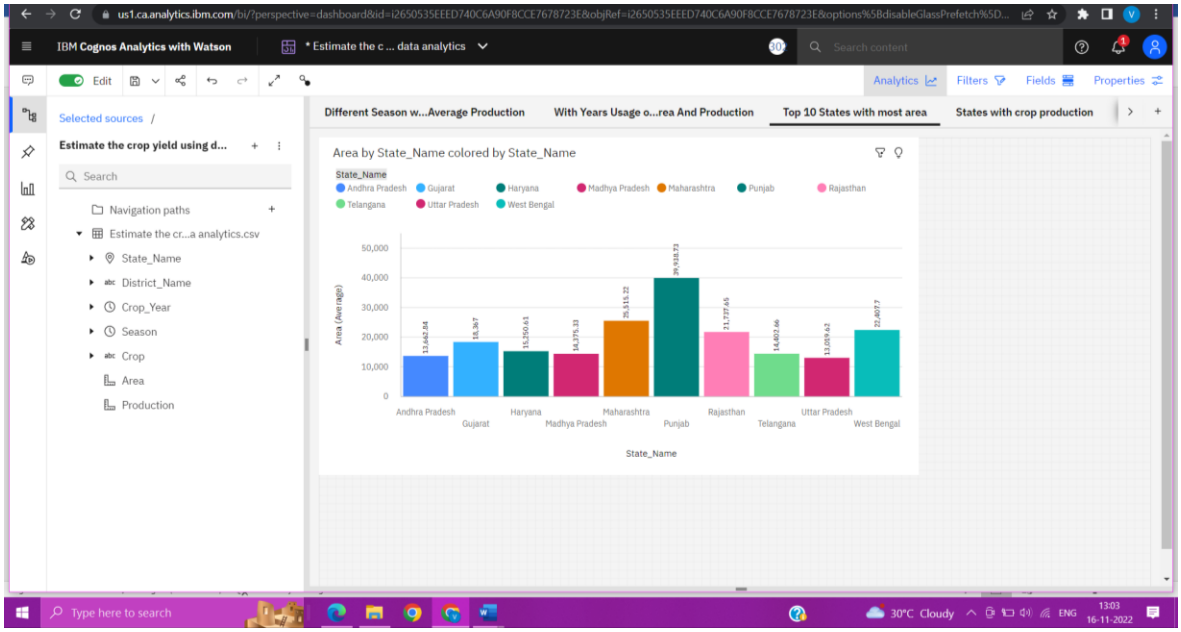
2. With Years usage of average production:

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



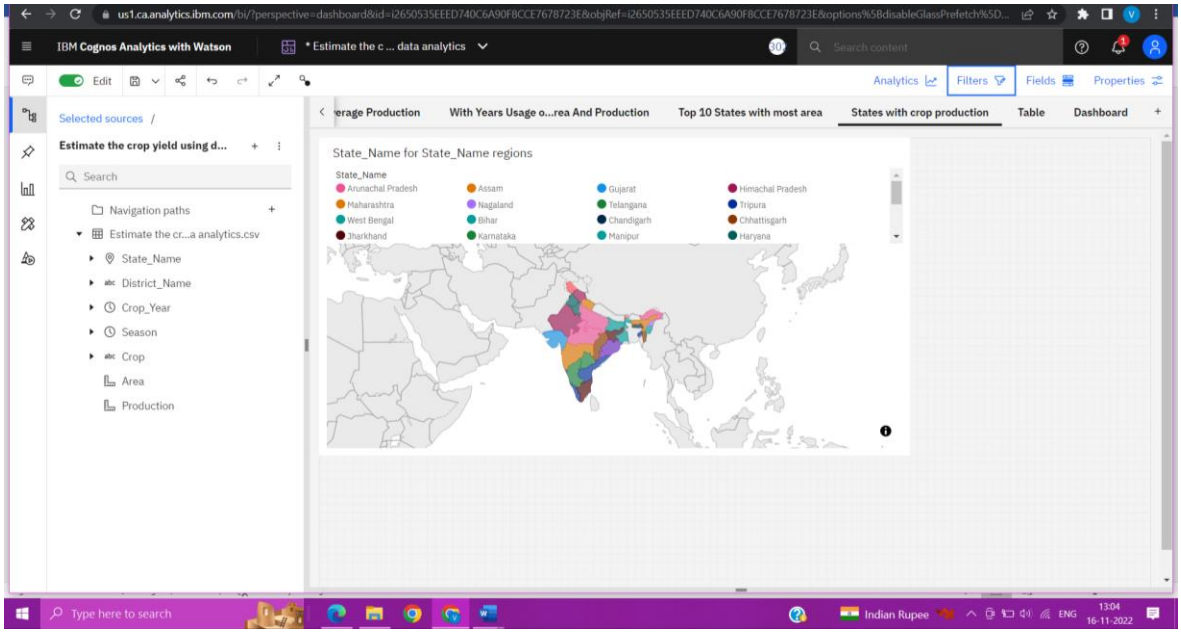
3. Top 10 States with most area:

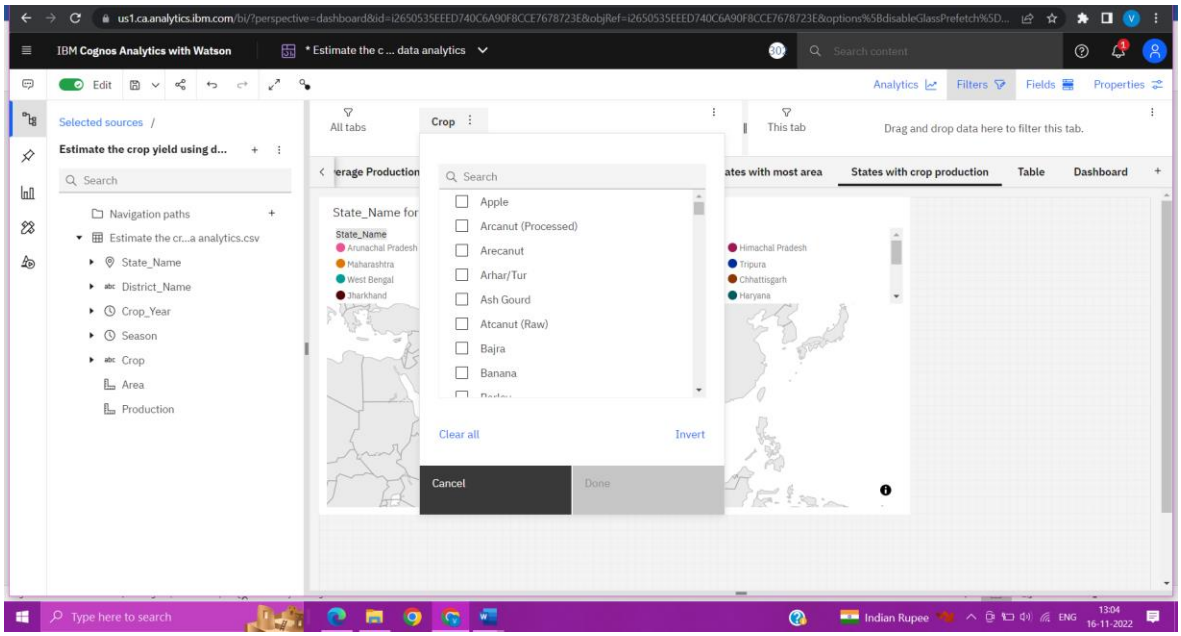
As we have an area data in our dataset, we will be plotting some graphs to visualize the top 10 Indian states with the most area.



4. State with Crop Production

There are so many different crops produced in India and most of us don't know which crop is belongsto 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 the season:

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