Project Development Phase
Sprint – 3

Date	12 November 2022
Team ID	PNT2022TMID13569
Project Name	Project - Estimate The Crop Yields by using Data Analytics

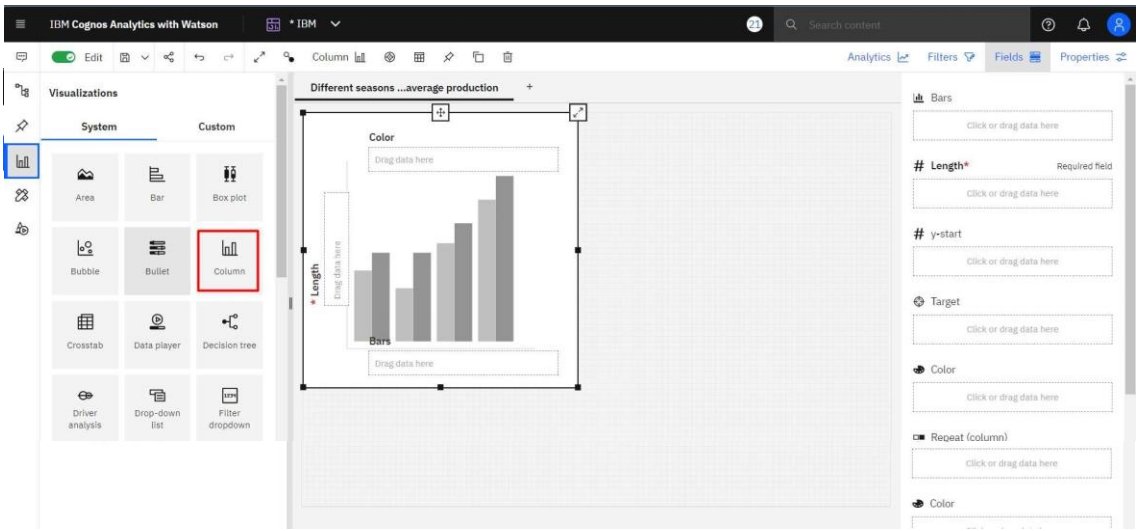
DATA VISUALIZATION CHARTS:

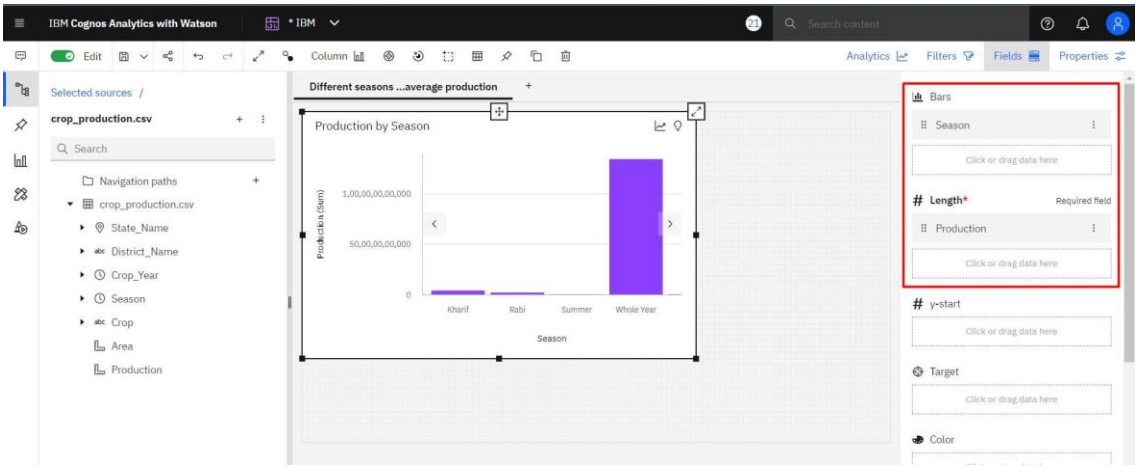
Using the Crop production in Indian dataset, we plan to create various graphs and charts to highlight the insights and visualizations.

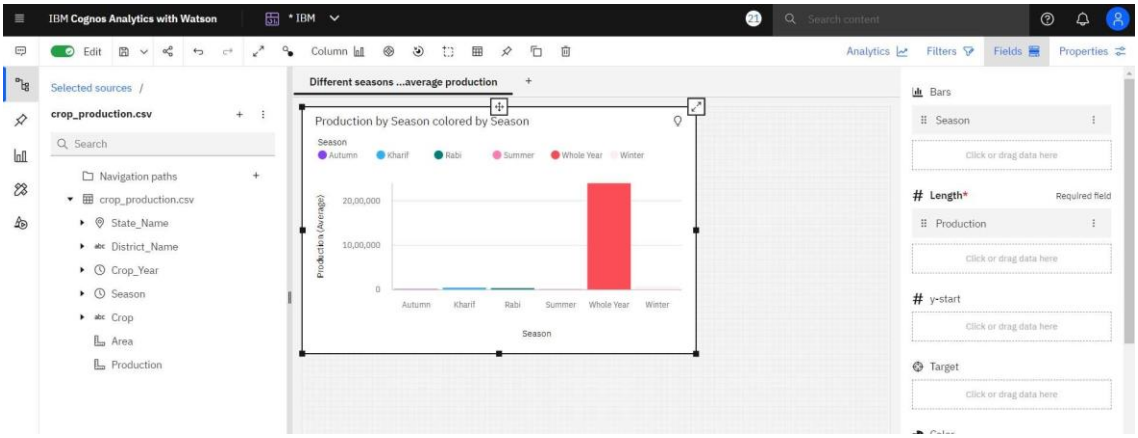
* Build a Visualization to showcase Average Crop Production by Seasons.
* Showcase the Yearly usage of Area in Crop Production.
* Build a visualization to show case top 10 States in Crop Yeild Production by Area.
* Build the required Visualization to showcase the Crop Production by State.
* Build Visual analytics to represent the Sates with Seasonal Crop Production using a Text representation

1.Seasons With Average Productions

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

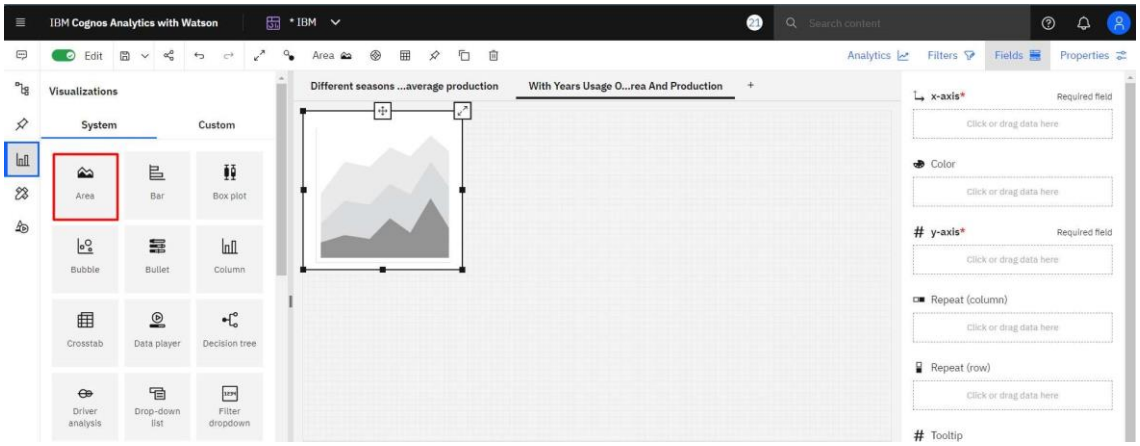


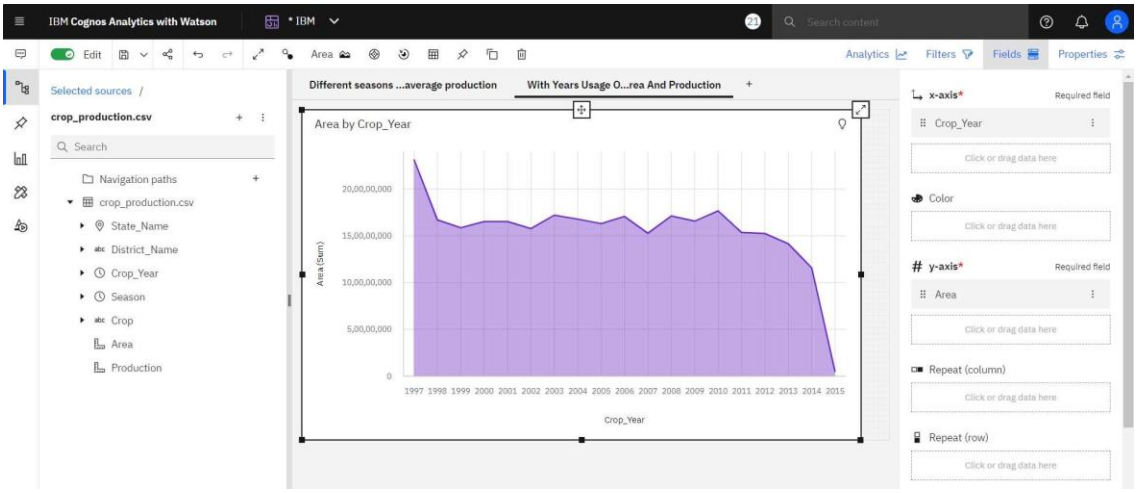


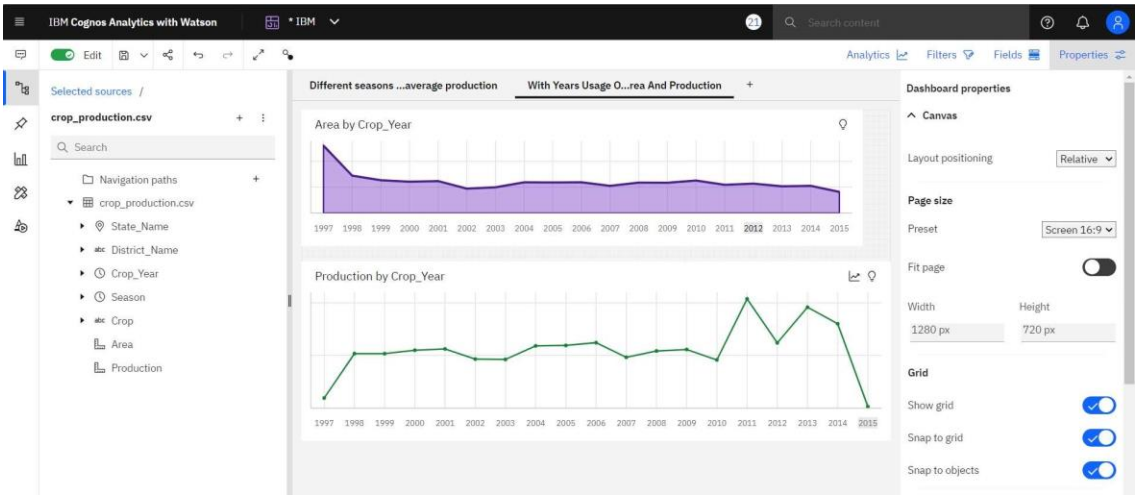


2.With Years Usage Of Area And Production

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.

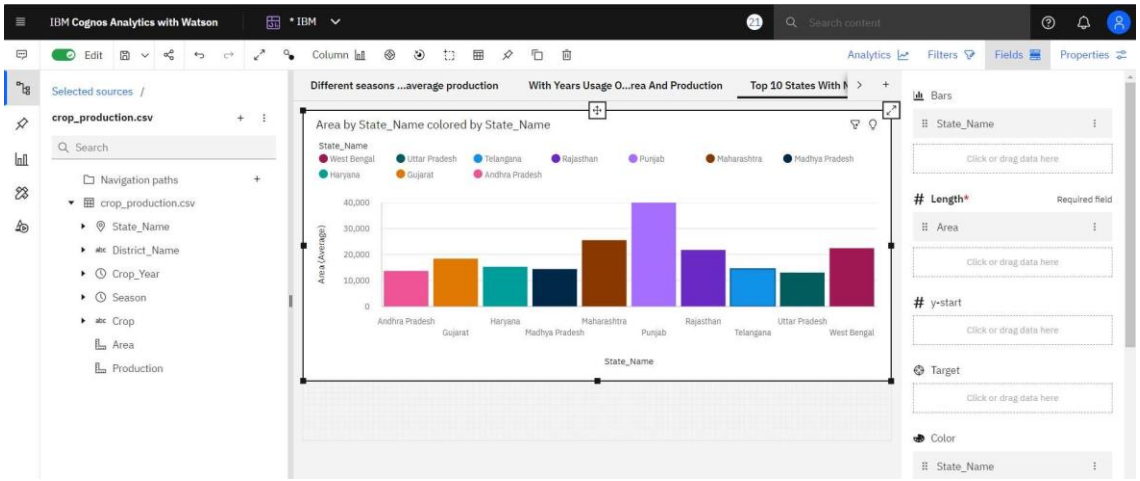






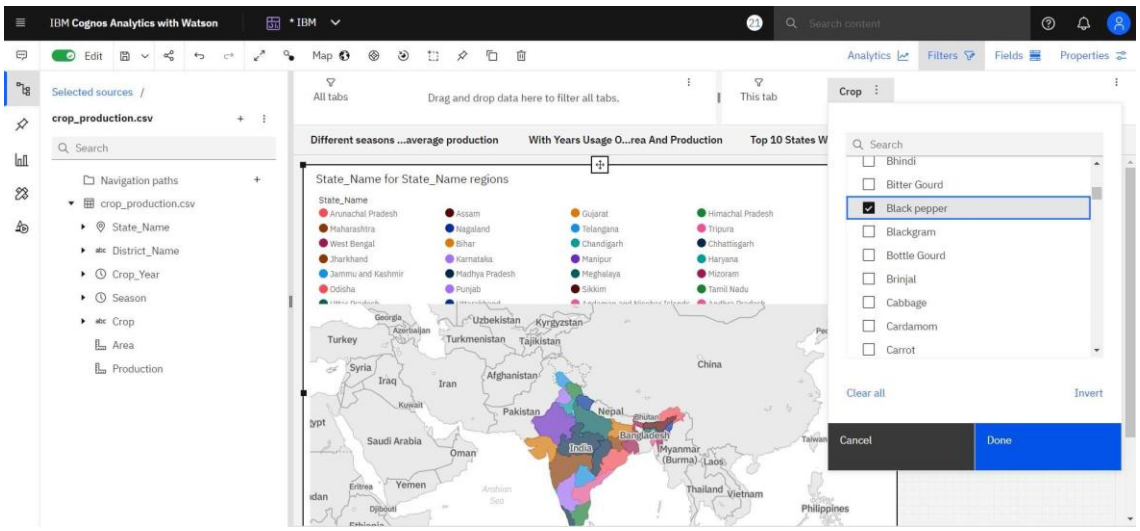
3.Top 10 States With Most Area

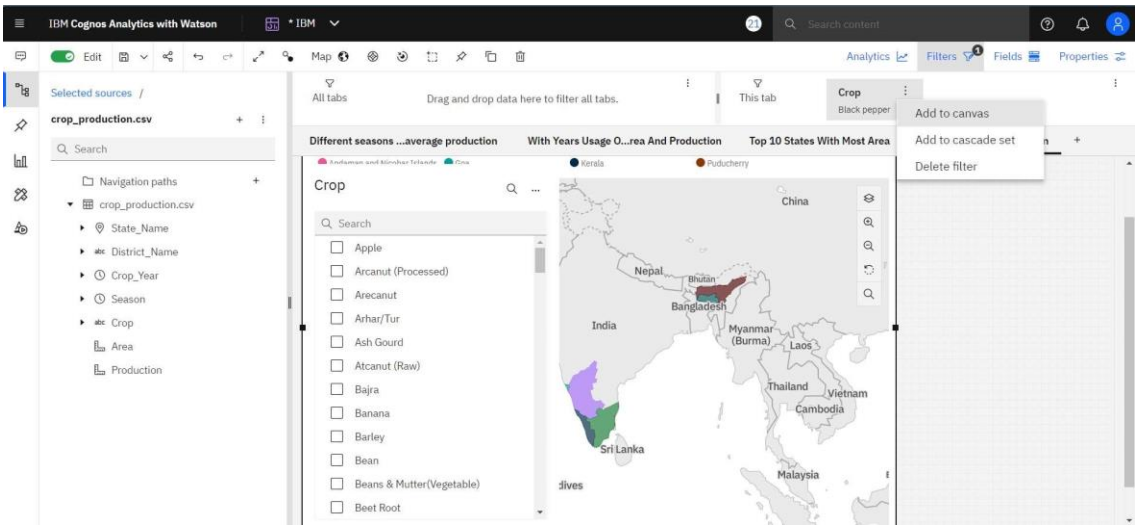
As we have an area data in our dataset, we will be plotting some graphs to visualize the top 10 Indian states with the most area

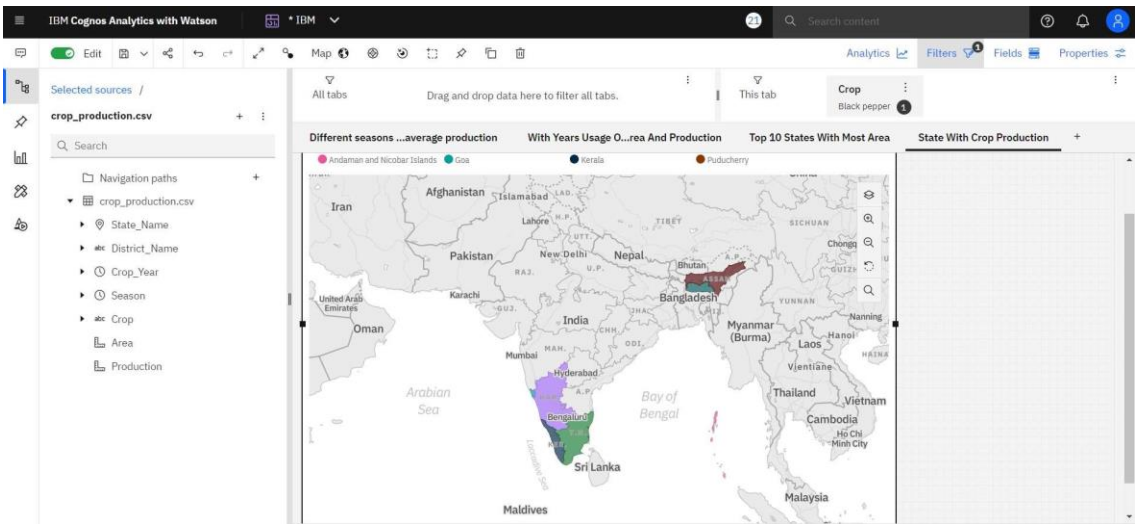


4.State With Crop Production

There are so many different crops produced in 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 (Text Table)

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