

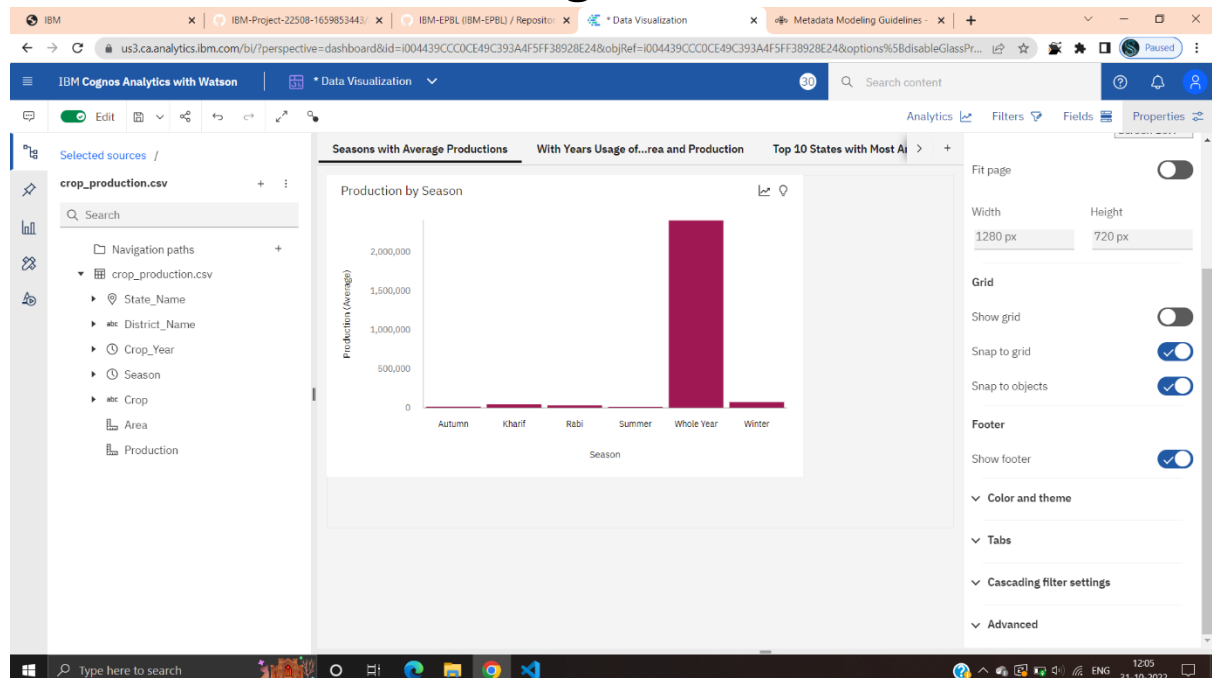
Date	28 October 2022
Team ID	PNT2022TMID26387
Project Name	Estimation of crop yield using data analytics

## Data Visualization Charts

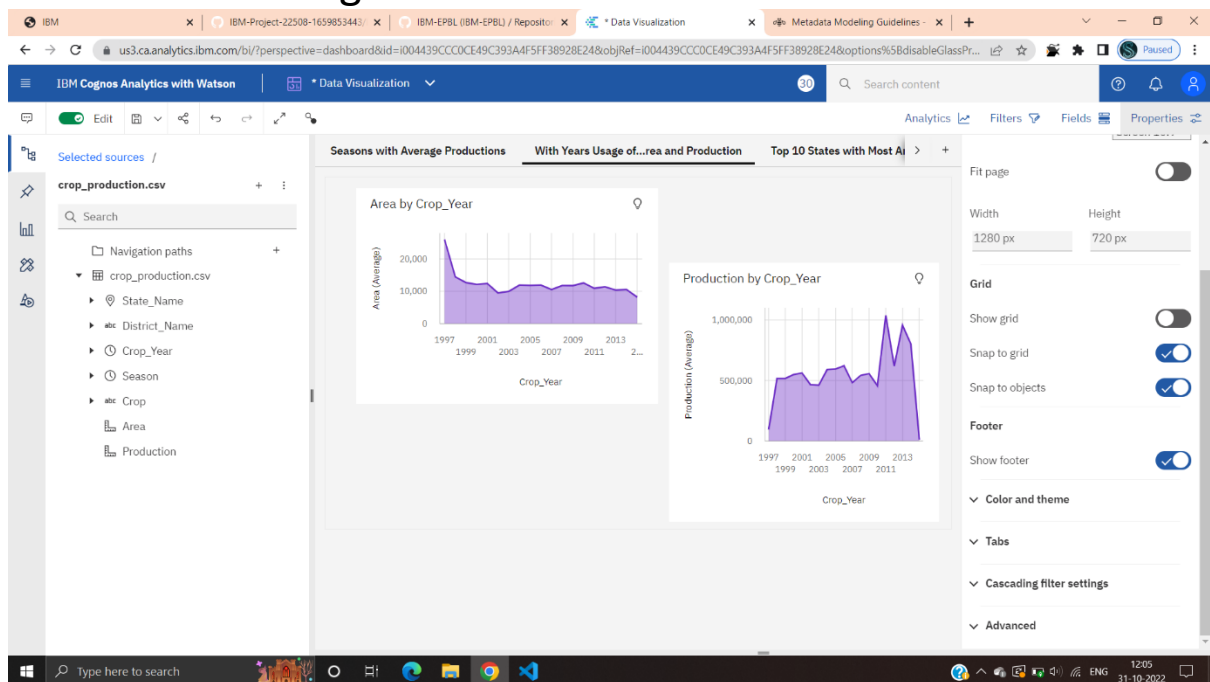
Using the Crop production in Indian dataset, we planed to create various graphs and charts to highlight the insights and visualizations.

- \* 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 Sates with Seasonal Crop Production using a Text representation.

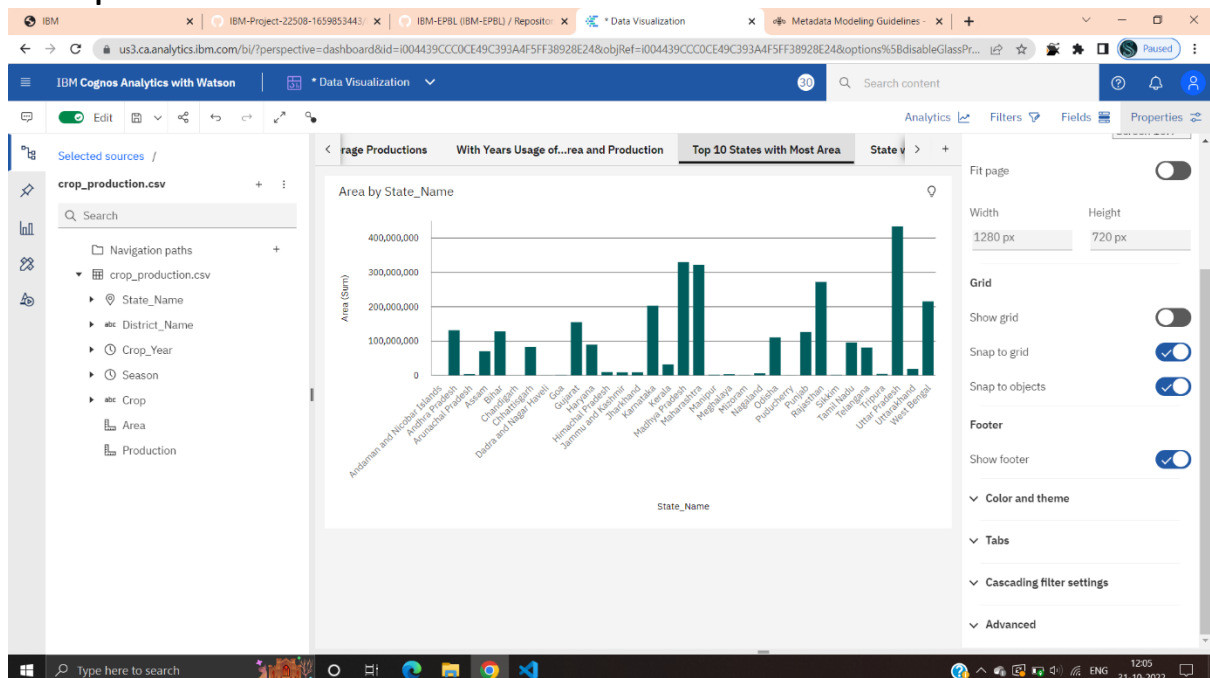
### 1.Seasons with Average Productions



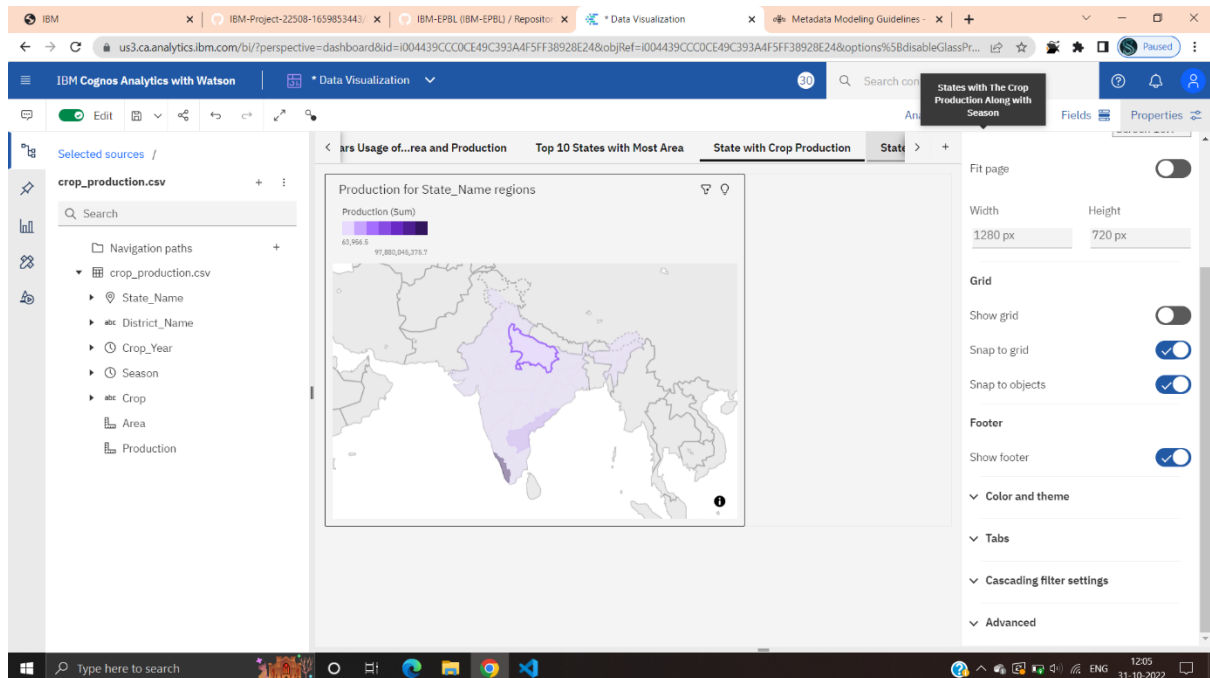
## 2. With Years Usage of Area and Production



## 3. Top 10 States with Most Area



## 4.State with Crop Production



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

The screenshot displays the IBM Cognos Analytics interface. On the left, the 'Selected sources' pane shows a file named 'crop\_production.csv' with fields: State\_Name, District\_Name, Crop\_Year, Season, Crop, Area, and Production. The main visualization area shows a text table titled 'State\_Name and Crop' with columns 'Crop' and 'State\_Name'. The table lists various crops and their corresponding states. On the right, the 'Properties' pane is open, showing settings for the visualization, including 'Fit page', 'Width' (1280 px), 'Height' (720 px), 'Grid' (Show grid, Snap to grid, Snap to objects), 'Footer' (Show footer), 'Color and theme', 'Tabs', 'Cascading filter settings', and 'Advanced'.

Crop	State_Name
Areca nut	Karnataka
	Kerala
	Meghalaya
	Puducherry
	Tamil Nadu
	West Bengal
	Andaman and Nicobar Islands
	Andhra Pradesh
	Assam
	Bihar
	Chandigarh

Crop	Season
Apple	Whole Year
Areca nut (Processed)	Whole Year
	Kharif
Areca nut	Rabi
	Whole Year
	Autumn
	Kharif
Arhar/Tur	Rabi
	Summer
	Whole Year
	Winter