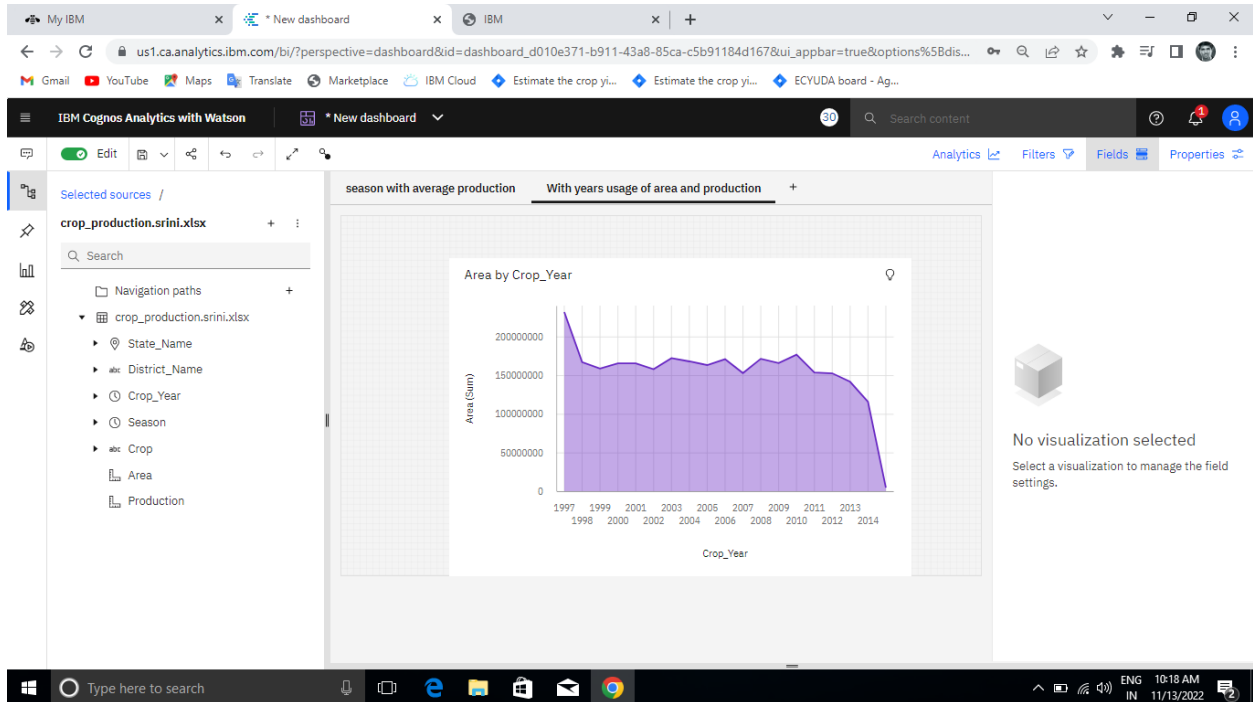


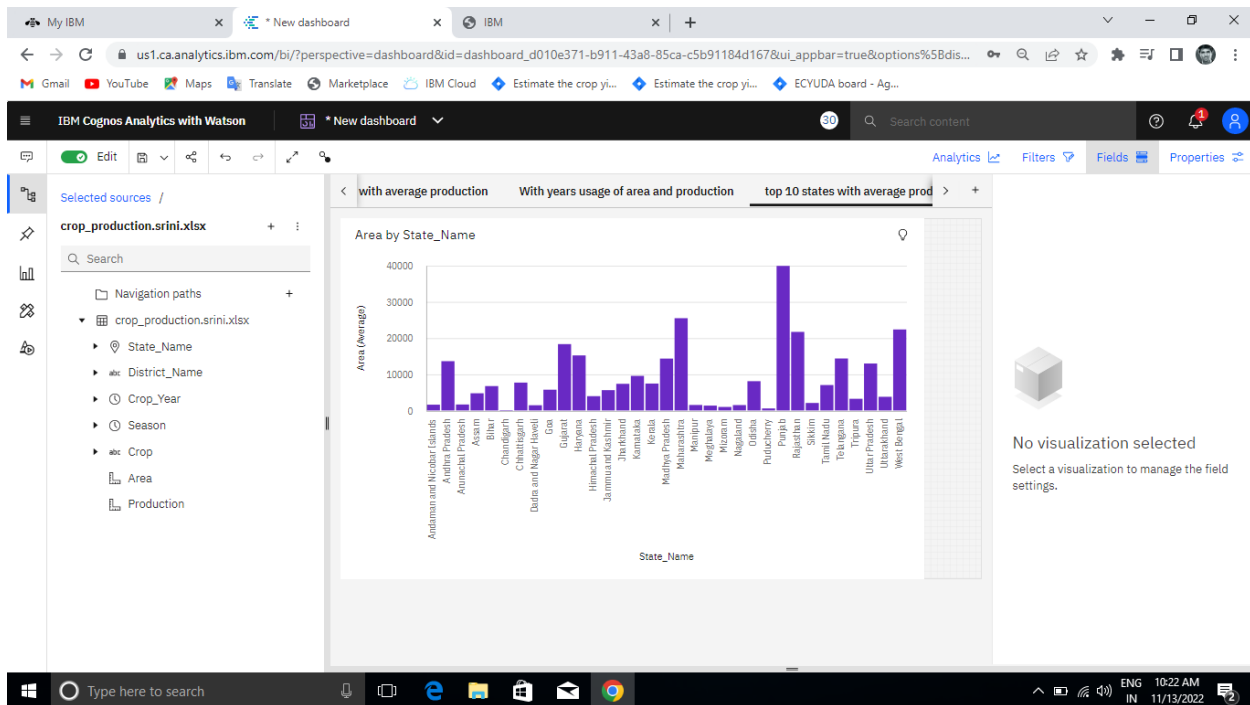
## DATA VISUALIZATION

Team ID	PNT2022TMID07696
Project Name	Estimate the crop yield using Data Analytics

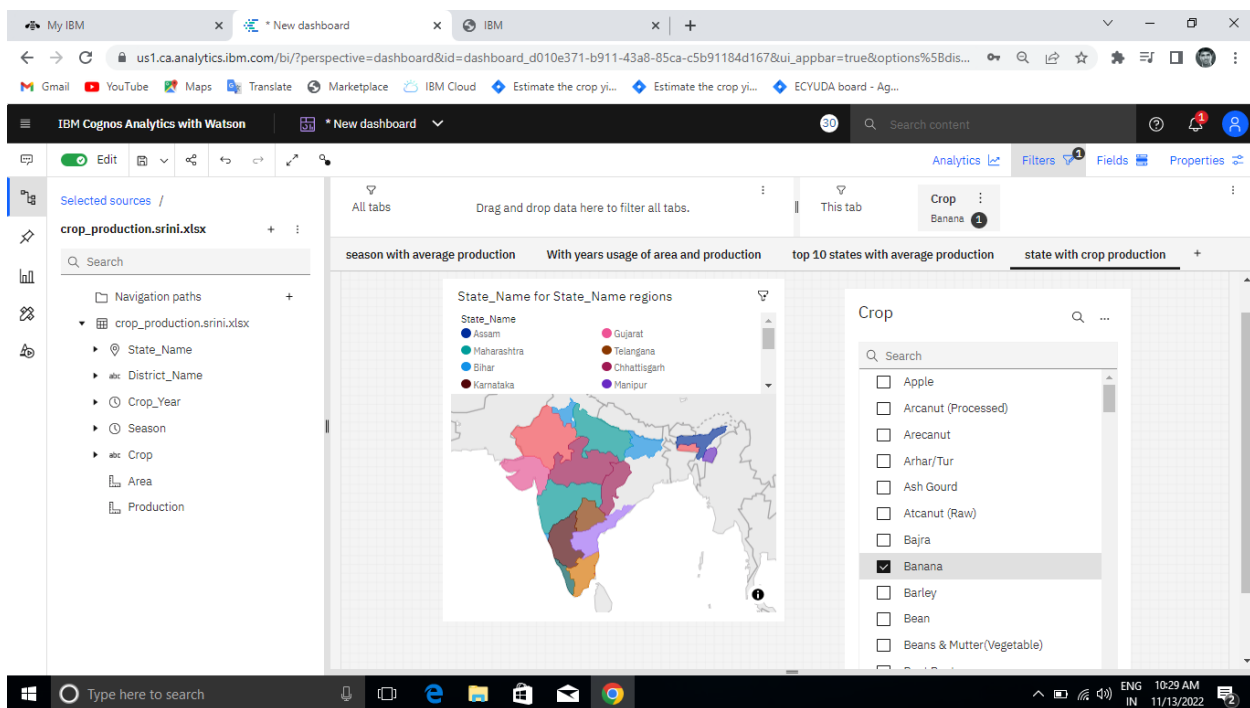
With years usage of area and production:



Top 10 state with average production:



## Season with crop production:



## State with crop production along with season:

The screenshot shows the IBM Cognos Analytics interface. On the left, the 'Selected sources' pane lists 'crop\_production.srini.xlsx' with a navigation tree including 'State\_Name', 'District\_Name', 'Crop\_Year', 'Season', 'Crop', 'Area', and 'Production'. The main workspace displays a table titled 'State\_Name' with two columns, both labeled 'State\_Name'. The table lists the following states: Andaman and Nicobar Islands, Andhra Pradesh, Assam, Bihar, Chhattisgarh, Dadra and Nagar Haveli, Goa, Gujarat, and Haryana. The top navigation bar includes tabs for 'All tabs', 'This tab', and 'Crop'. The bottom status bar shows the system time as 10:40 AM on 11/13/2022.

State_Name	State_Name
Andaman and Nicobar Islands	Andaman and Nicobar Islands
Andhra Pradesh	Andhra Pradesh
Assam	Assam
Bihar	Bihar
Chhattisgarh	Chhattisgarh
Dadra and Nagar Haveli	Dadra and Nagar Haveli
Goa	Goa
Gujarat	Gujarat
Haryana	Haryana

## Season with Average production:

The screenshot shows the IBM Cognos Analytics interface. On the left, the 'Selected sources' pane lists 'crop\_production.srini.xlsx' with a navigation tree including 'State\_Name', 'District\_Name', 'Crop\_Year', 'Season', 'Crop', 'Area', and 'Production'. The main workspace displays a bar chart titled 'Production by Season and Season colored by Season'. The chart has a Y-axis labeled 'Production (Sum)' ranging from 0 to 1,000,000,000,000. The X-axis is labeled 'Season - Season' and shows categories for Autumn, Kharif, Rabi, Summer, and Whole Year. The bars are colored by season: Autumn (purple), Kharif (blue), Rabi (green), Summer (red), and Whole Year (red). The chart shows that the 'Whole Year' category has the highest production, exceeding 1,000,000,000,000. To the right of the chart, a message states 'No visualization selected' and 'Select a visualization to manage the field settings.' The bottom status bar shows the system time as 10:18 AM on 11/13/2022.

Season	Production (Sum)
Autumn	~100,000,000,000
Kharif	~100,000,000,000
Rabi	~100,000,000,000
Summer	~100,000,000,000
Whole Year	~1,000,000,000,000