

Project Development - Delivery Of Sprint-2

Date	8 November 2022
Team ID	PNT2022TMID42779
Project Name	Estimate The Crop Yield Using Data Analytics

Data Visualization Chart:

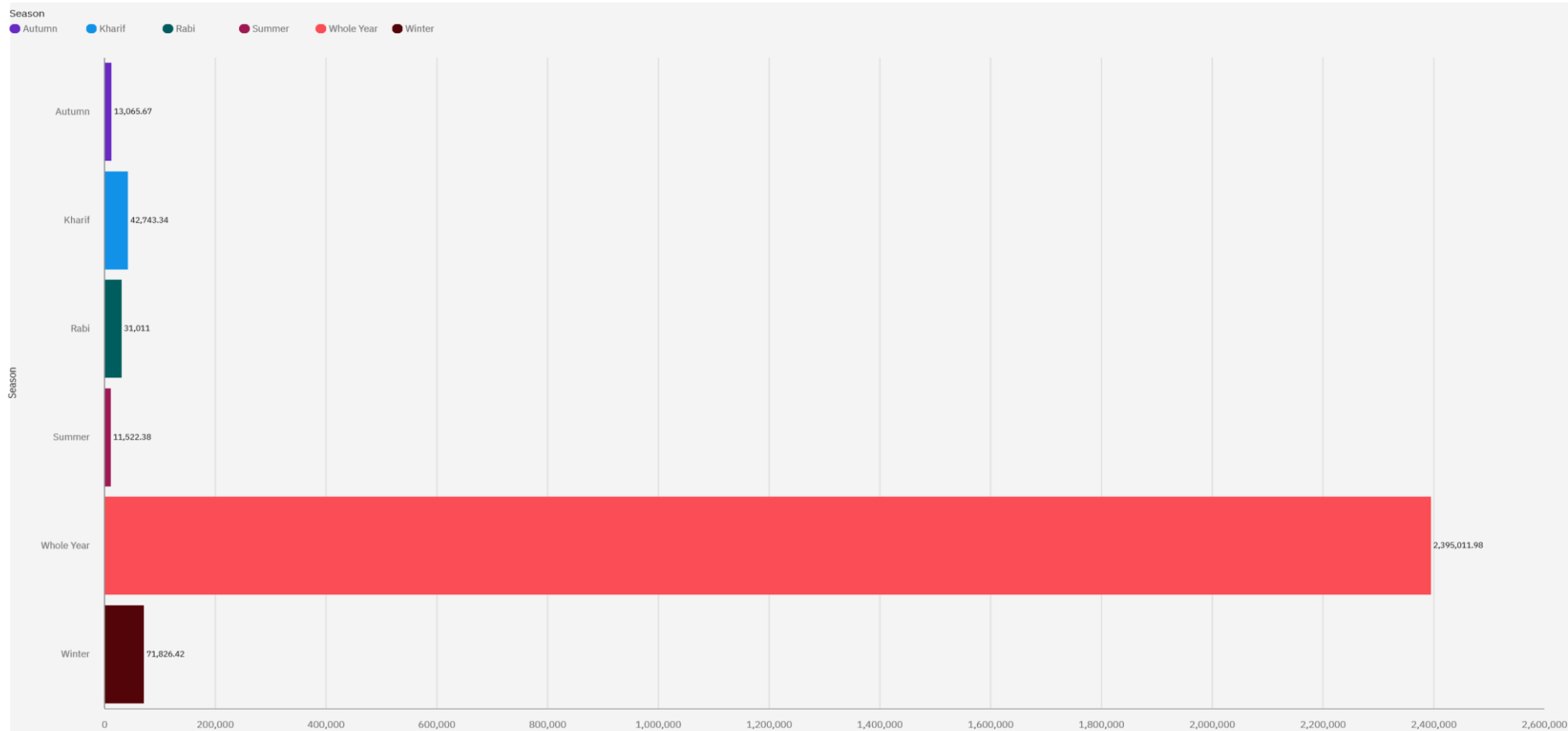
Using the Crop production in Indian dataset, create various graphs and charts to highlight the insights and visualizations.

*Build a Visualization to showcase

- Login to IBM Cognos then in open menu click New - Dashboard.
- Select a template for our dashboard and click create.
- Then select the dataset crop_production.csv dataset under my content tab and click add In Add a source.
- Rename the tab title with suitable name.
- Select the visualizations chart whatever we want.

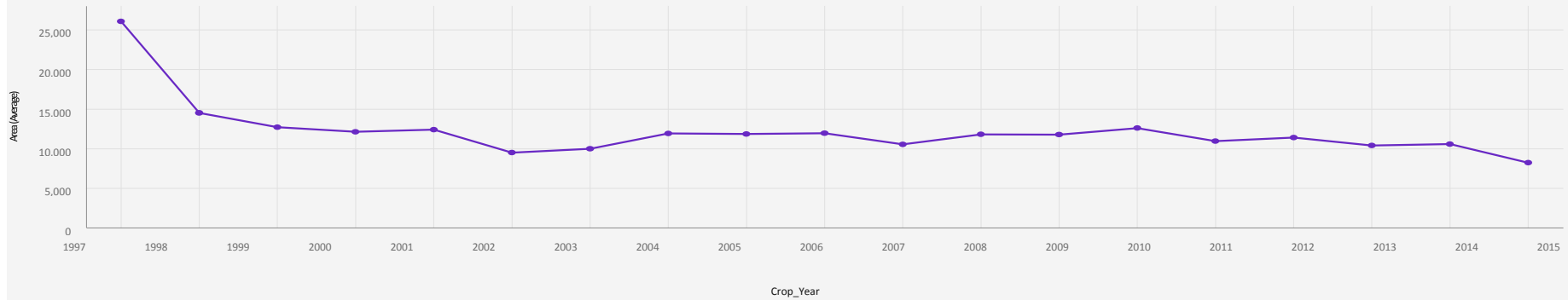
1. Average Crop Production by Seasons:

- we can select the bar chart for visualization the average crop production by season.
- Place the season in bar.
- Place the production in length.
- In color we place the seasons.

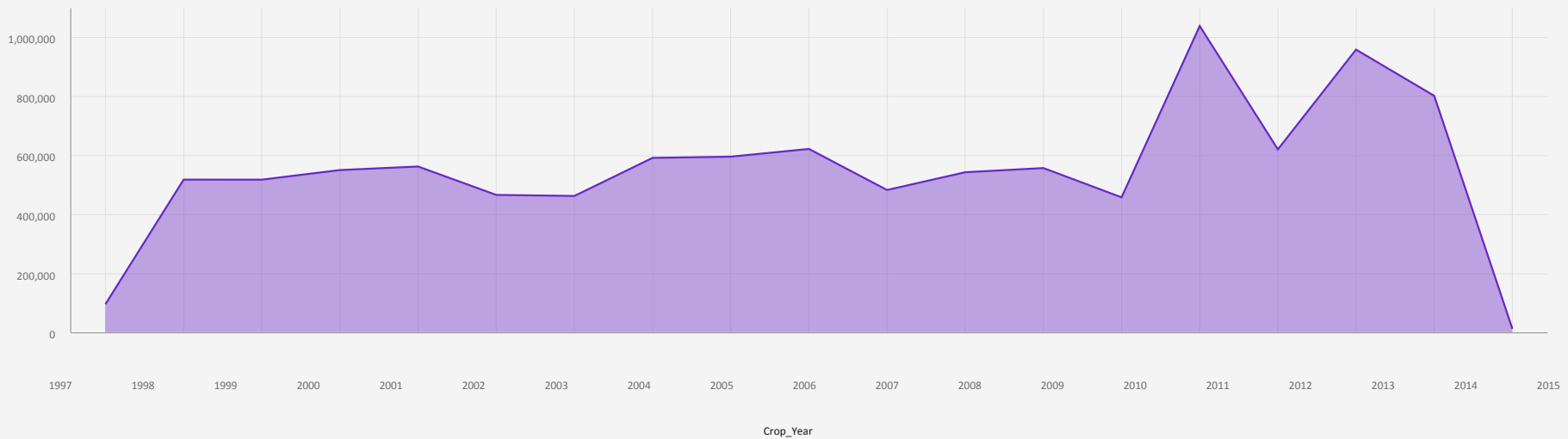


2. with years usage of area and production:

- First we can create the area by production.
 - We can choose the line and column chart for visualization.
 - In x-axis we put crop_year
 - In y-axis we put area.
- Second we can create the production by crop_year.
 - we can choose the line chart for visualization.
 - In x-axis we put crop_year.
 - In y-axis we put production.



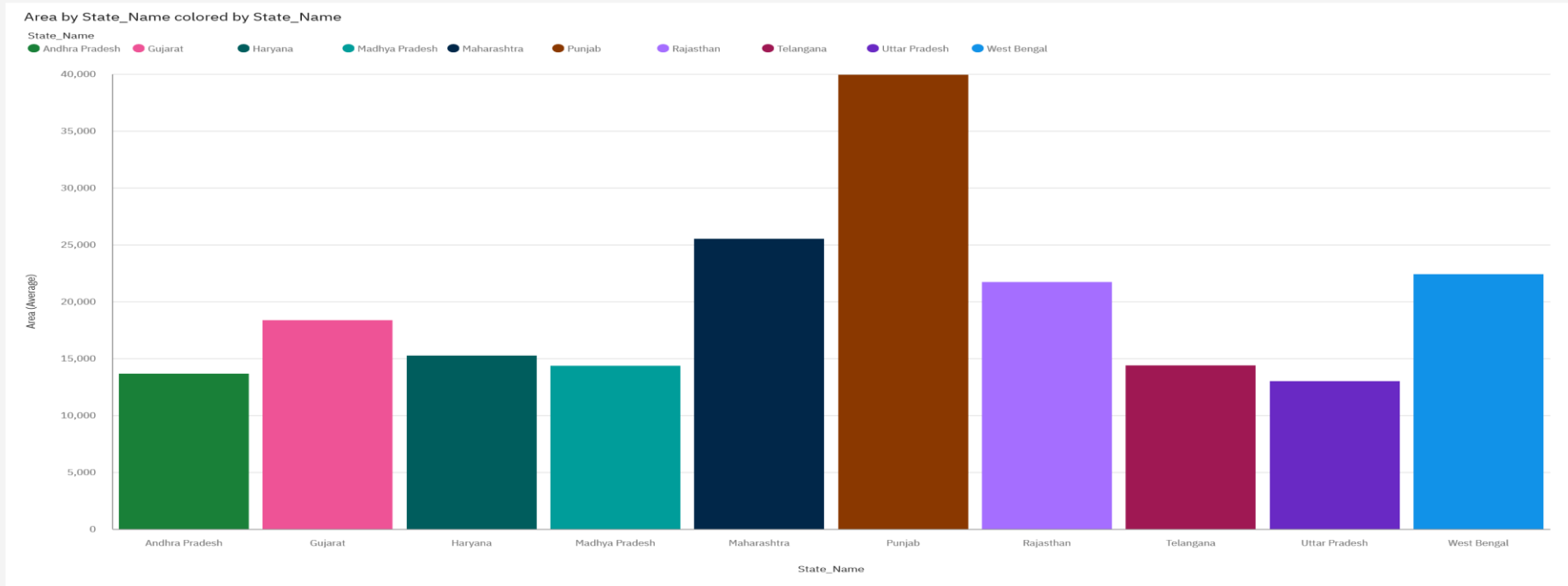
Production by Crop_Year



3. Top 10 states with most area:

- We can choose bar chart for the visualization.
- In bar we place the state_name.
- In length we place the area.
- In color we place the state_name.

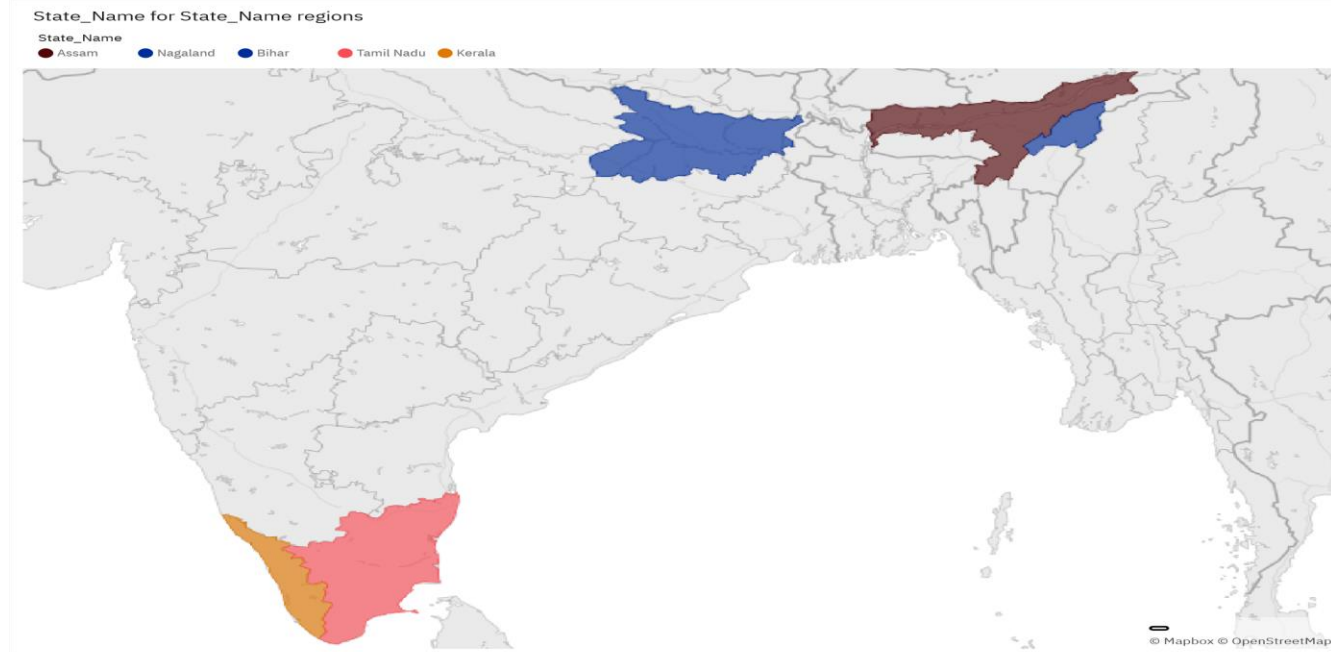
top 10 states with most area



4. State with crop production:

- We choose the map chart visualization.
- In location we place the state_name.
- In color we place the state_name.
- We place crop production in filters. It will be able to see the production of India.

state with crop production



Crop

Q Search

- ☒ Apple
- ☐ Arcanut (Processed)
- ☐ Arecanut
- ☐ Arhar/Tur
- ☐ Ash Gourd
- ☐ Atcanut (Raw)
- ☐ Bajra
- ☐ Banana
- ☐ Barley
- ☐ Bean
- ☐ Beans & Mutter(Vegetable)
- ☐ Beet Root
- ☒ Ber
- ☐ Bhindi
- ☐ Bitter Gourd

Apply

5. state with the crop production along with season:

- we choose the table chart
- In column we place the state_name.
- We use filters
- Then create another table for the season.
- Place season in column.

State_Name and Crop

Crop	State_Name
Bitter Gourd	Kerala
	Manipur
	Tamil Nadu

Season

Season
Whole Year