

Project Development Phase – Sprint 2

DATA VISUALIZATION CHARTS

Date	05 November 2022
Team ID	PNT2022TMID23966
Project Name	Estimate The Crop Yield Using Data Analytics

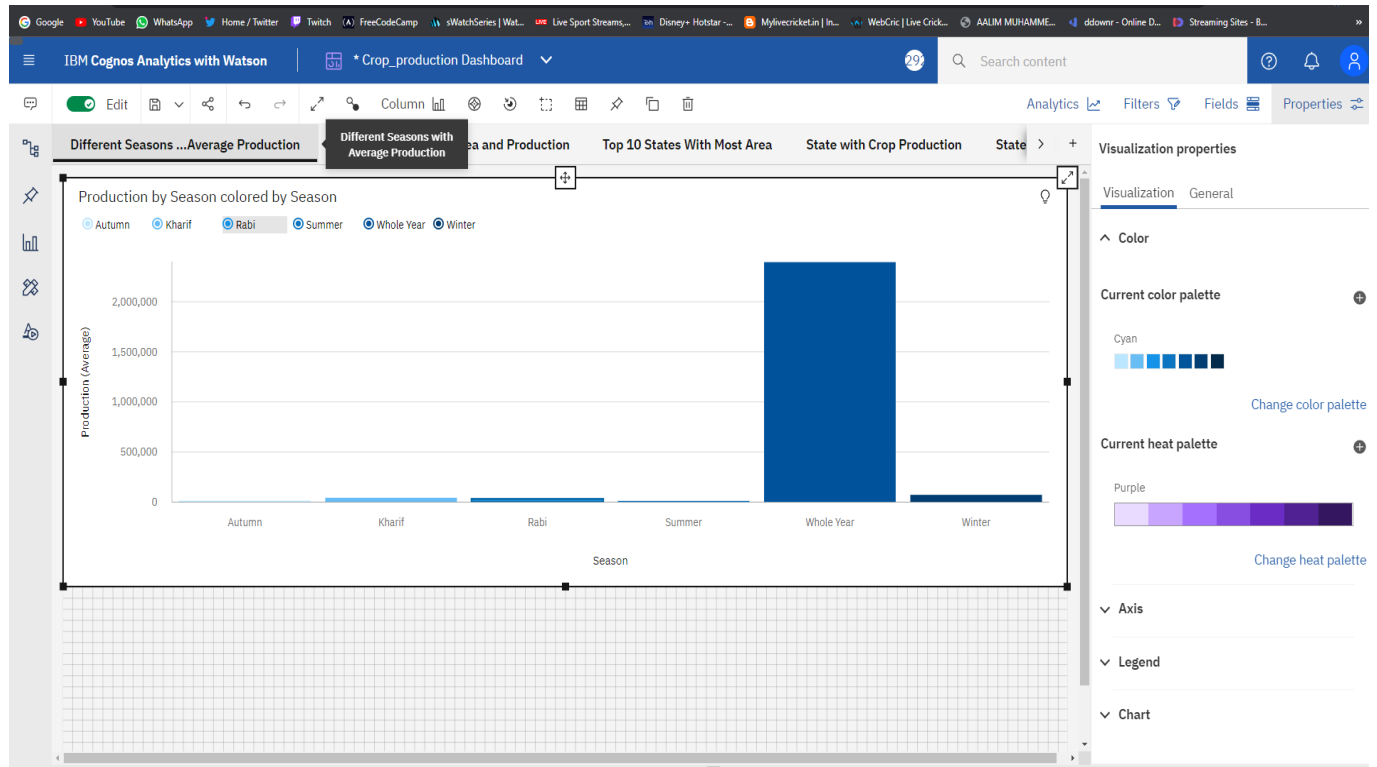
Visualization Charts:

Visualization charts are used to represent the data in the graphical manner that helps to understand the data more easily and quickly and find the new trends and patterns in the data.

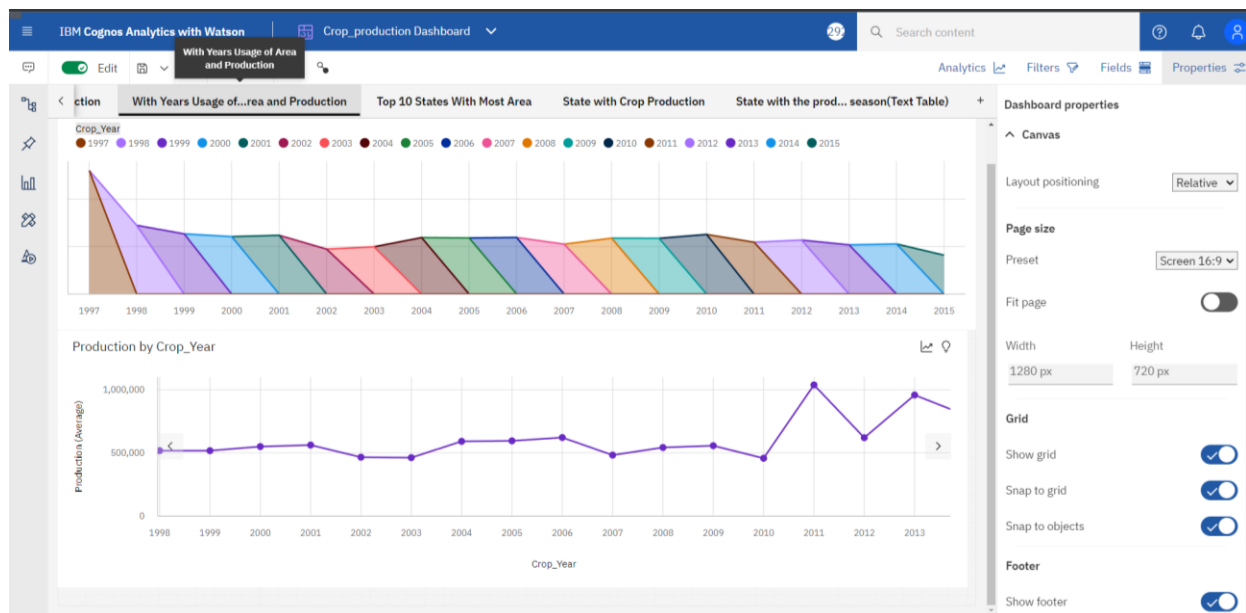
Using the Crop production in Indian dataset, we plan to create various graphs and charts to highlight the insights and visualizations.

- * 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 Yield Production by Area.
- * Build the required Visualization to showcase the Crop Production by State.
- * Build Visual analytics to represent the States with Seasonal Crop Production using a Text representation.

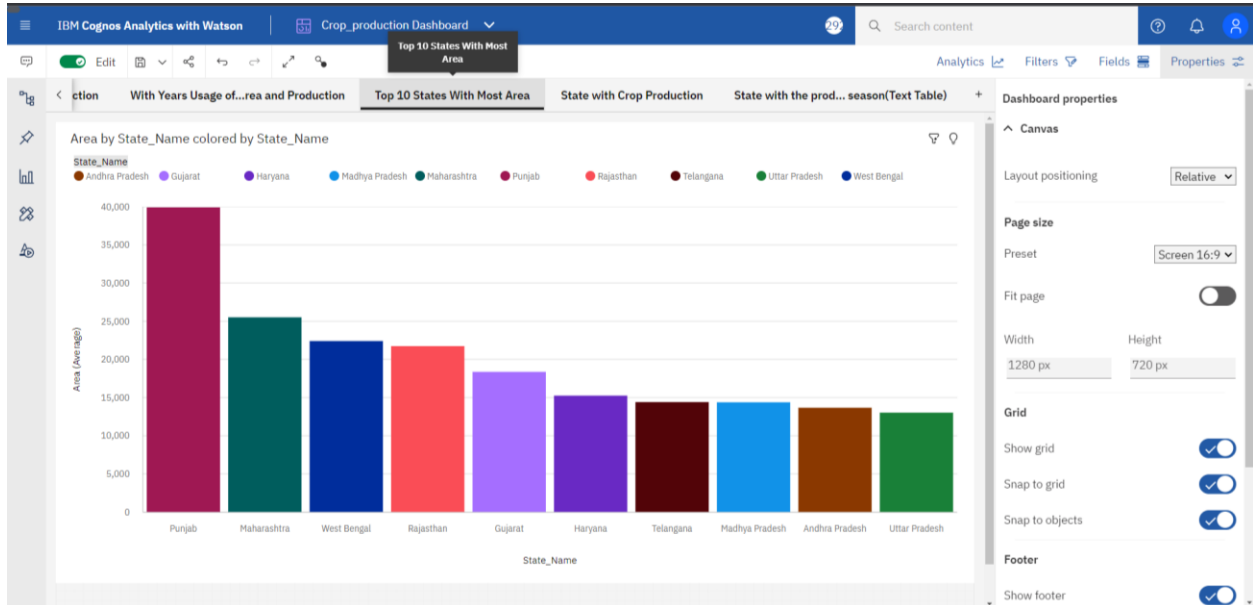
1. Seasons With Average Productions



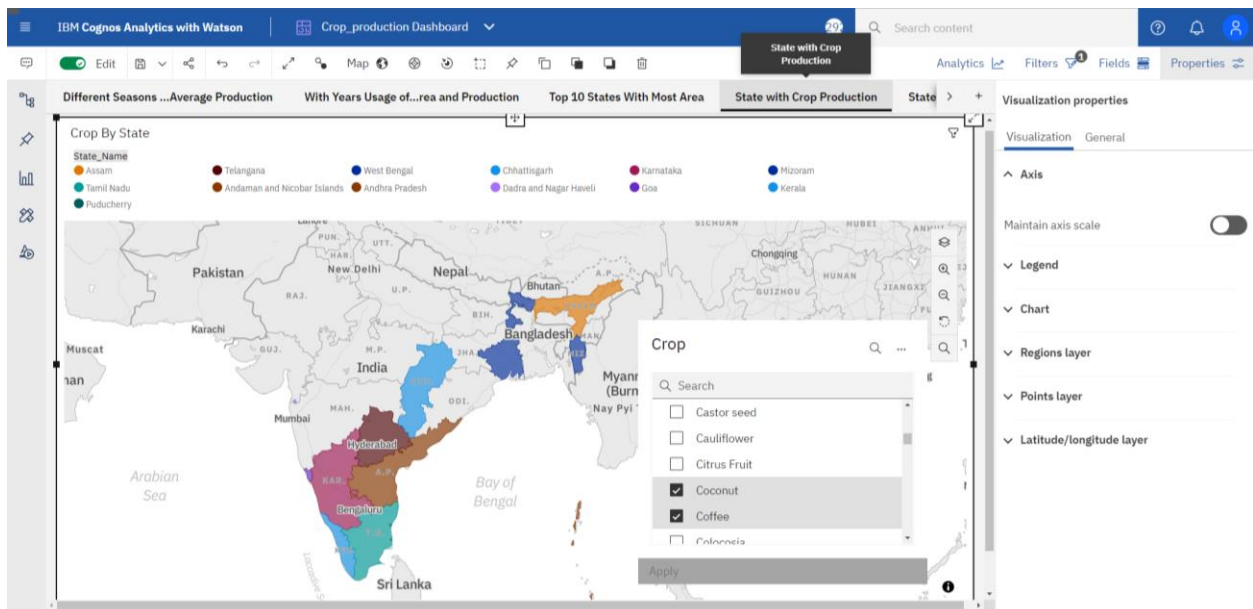
2. With Years Usage Of Area And Production



3. Top 10 States With Most Area



4. State With Crop Production



5. States With The Crop Production Along With Season (Text Table)

The screenshot displays the IBM Cognos Analytics interface for a dashboard titled "Crop_production Dashboard". The dashboard is divided into several sections:

- State_Name and Crop:** A table showing the relationship between crops and states.
- Crop:** A list of crops with checkboxes for selection.
- Season and Crop:** A table showing the relationship between crops and seasons.
- Dashboard properties:** A sidebar on the right with settings for layout, page size, grid, and footer.

State_Name and Crop Table:

Crop	State_Name
Apple	Tamil Nadu
	Andaman and Nicobar Isla...
	Andhra Pradesh
	Assam
	Bihar
	Chhattisgarh
	Dadra and Nagar Haveli
	Goa
	Gujarat
	Haryana
	Karnataka

Crop List:

- ☒ Apple
- ☐ Arcanaut (Processed)
- ☐ Arcanaut
- ☐ Arhar/Tur
- ☐ Ash Gourd
- ☐ Atcanut (Raw)
- ☐ Bajra
- ☒ Banana
- ☒ Barley

Season and Crop Table:

Crop	Season
Apple	Whole Year
	Autumn
	Kharif
	Rabi
Banana	Summer
	Whole Year
	Winter
Barley	Kharif
	Rabi
	Whole Year
	Kharif

Dashboard properties:

- Canvas:** Layout positioning (Relative)
- Page size:** Preset (Screen 16:9), Width (1280 px), Height (720 px)
- Grid:** Show grid (checked), Snap to grid (checked), Snap to objects (checked)
- Footer:** Show footer (checked)