

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.*

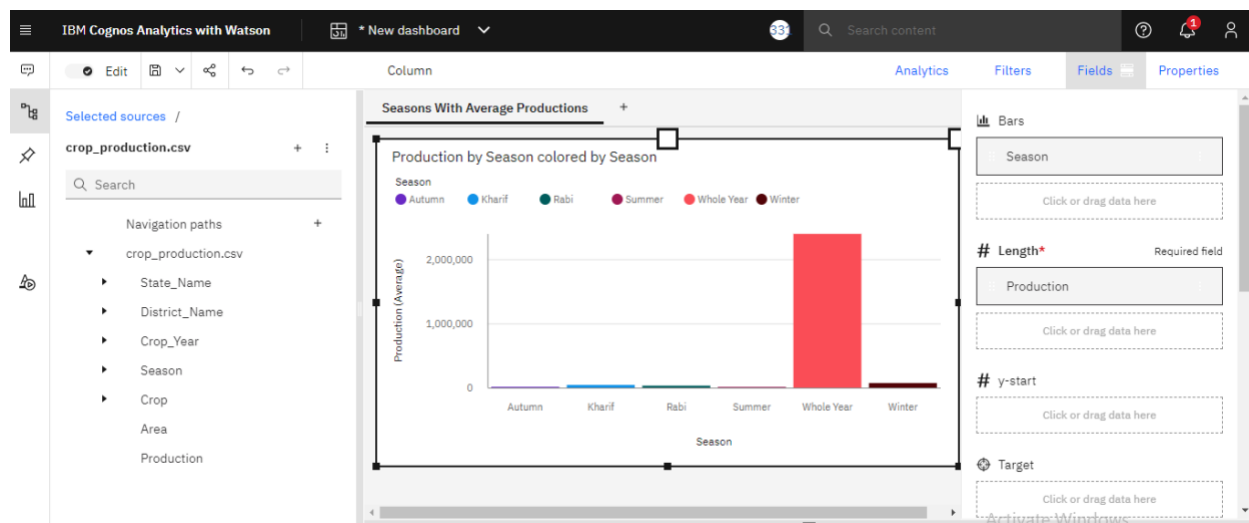
** BUILD A VISUALIZATION TO SHOW CASE TOP 10 STATES IN CROP YEILD PRODUCTION BY AREA.*

** BUILD THE REQUIRED VISUALIZATION TO SHOWCASE THE CROP PRODUCTION BY STATE.*

** BUILD VISUAL ANALYTICS TO REPRESENT THE STATES WITH SEASONAL CROP PRODUCTION USING A TEXT REPRESENTATION.*

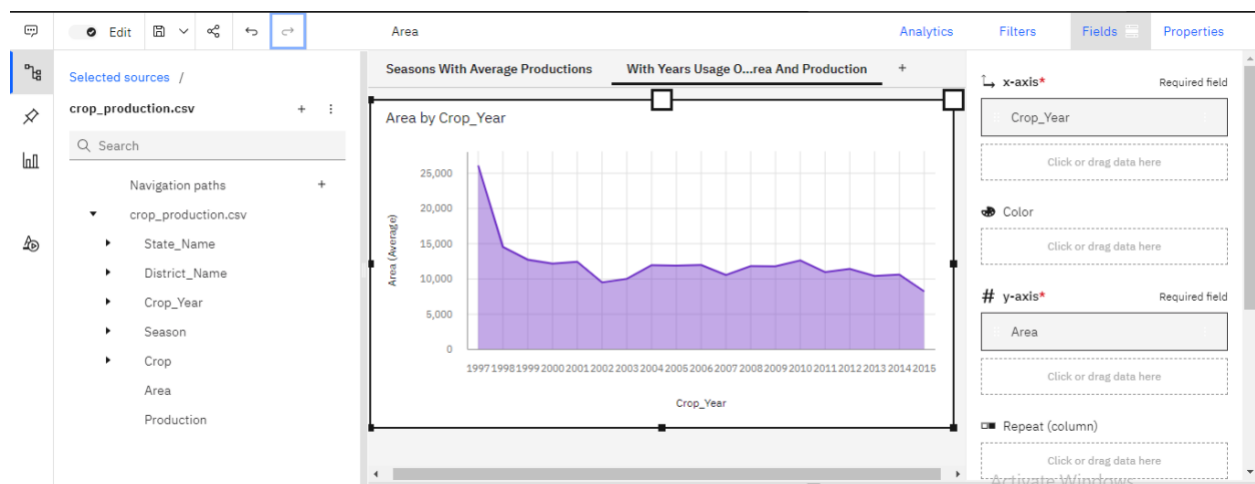
1. Seasons with Average Productions

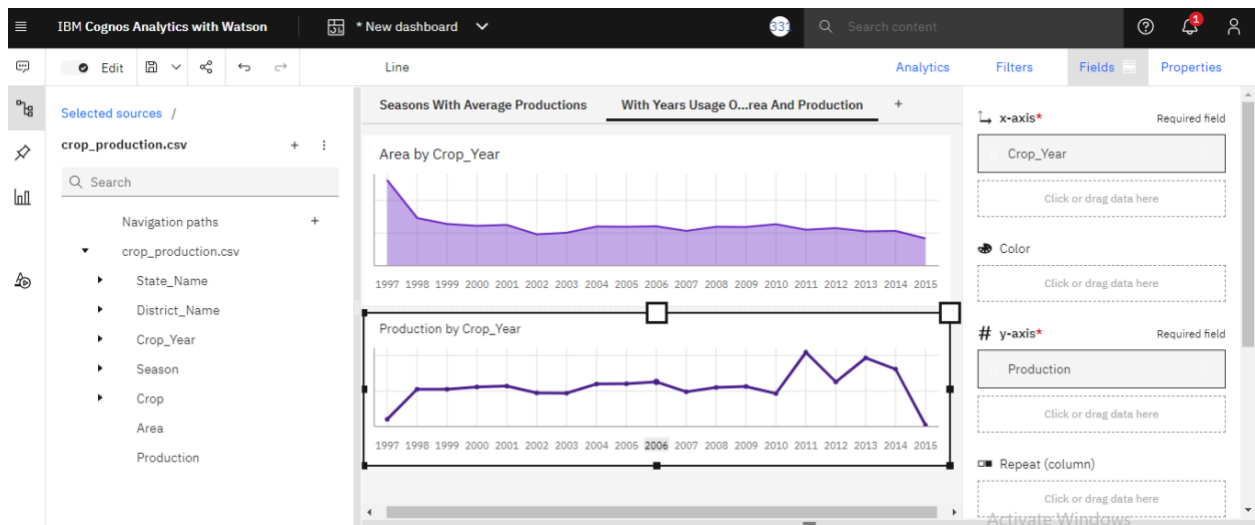
As production of crops depends on different seasons, so let's plot the graphs to visualize the average production based on different seasons



2. With Years Usage of Area and Production

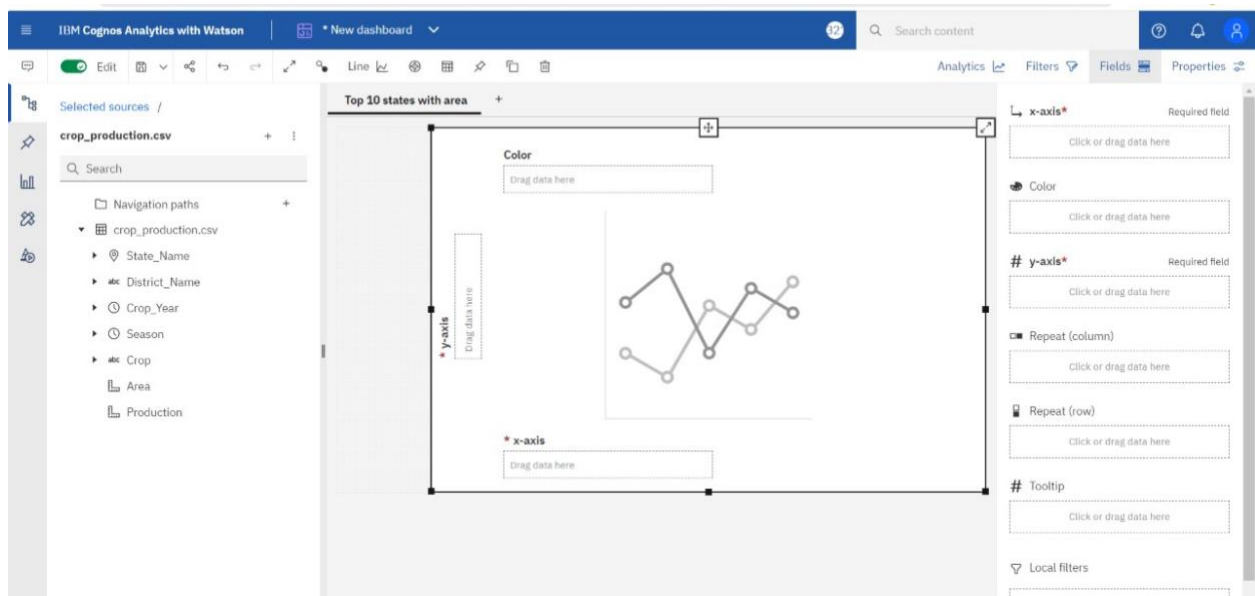
In our dataset we also have a year's columns by which we will plot a line and area graphs to see the change in these both data with respect to increase in years.

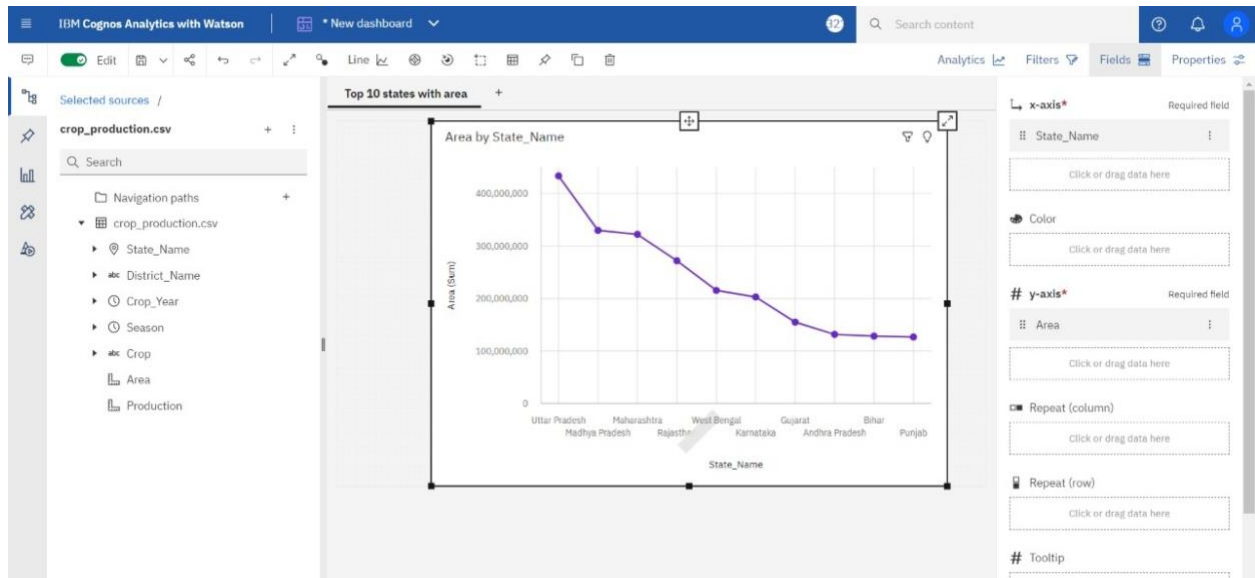




3. Top 10 States with Most Area

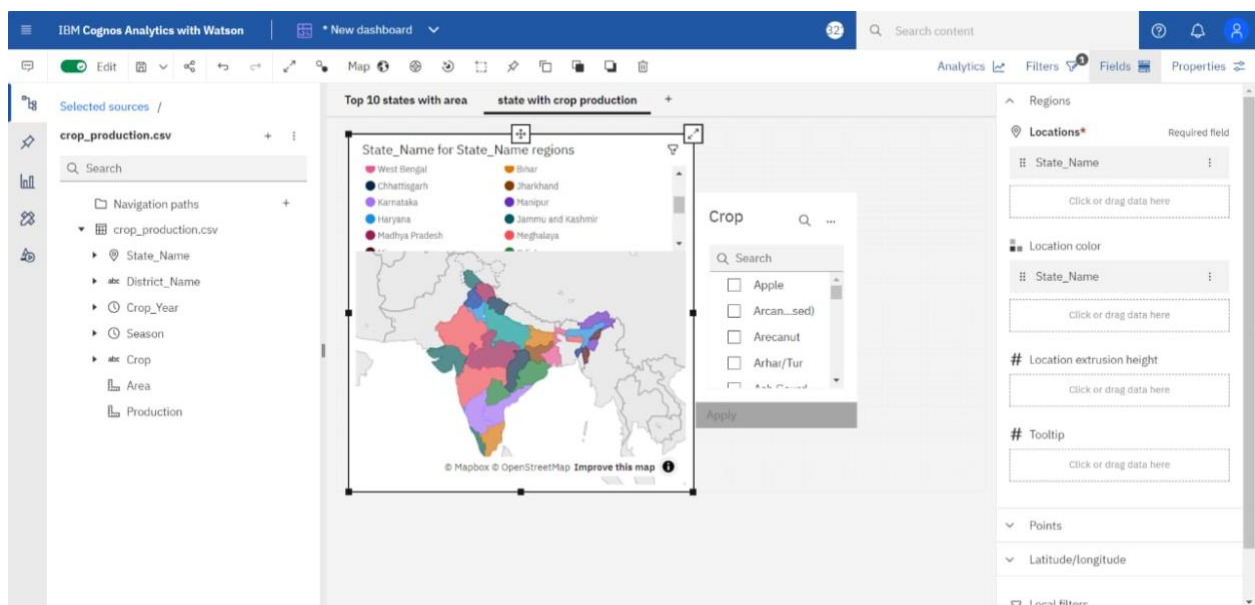
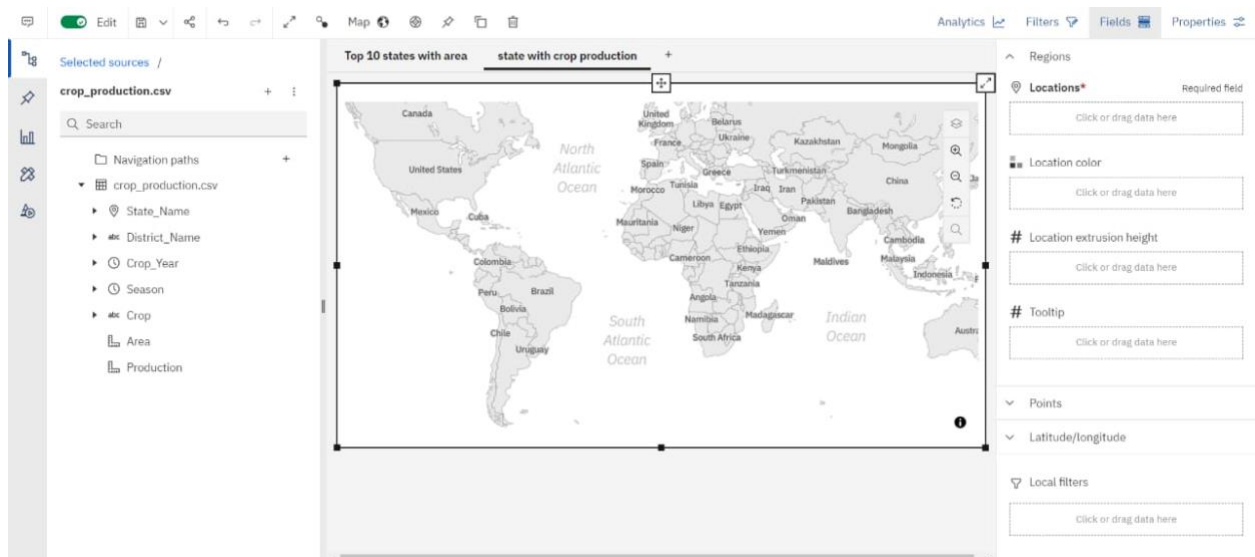
As we have an area data in our dataset, we will be plotting some graphs to visualize the top 10 Indian states with the most area.





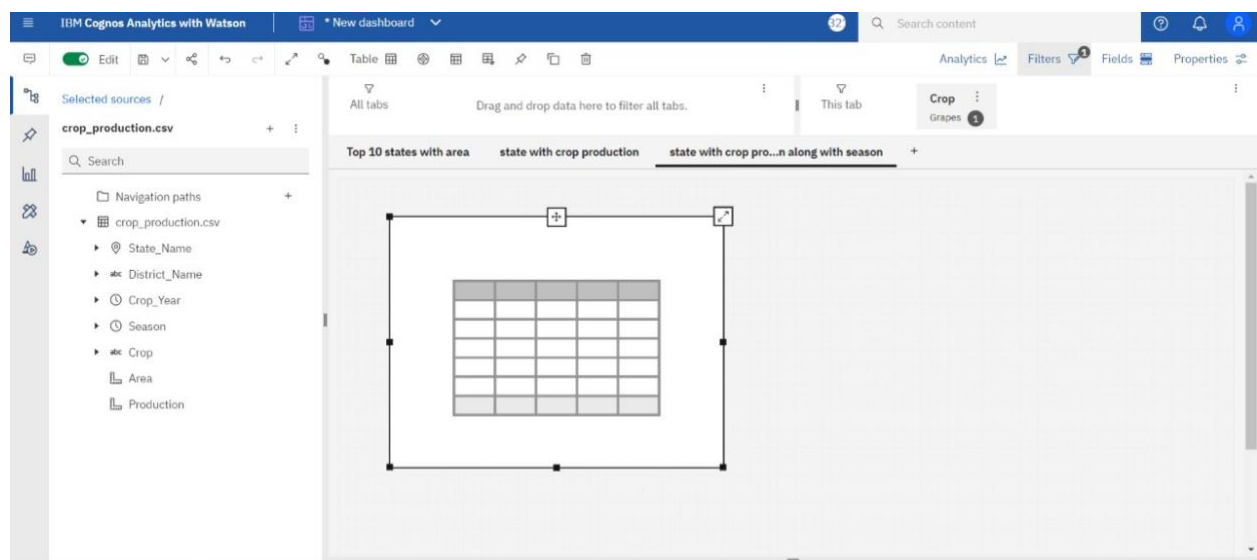
4. State with Crop Production

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.



IBM Cognos Analytics with Watson

* New dashboard

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crop_production.csv

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crop_production.csv

State_Name

District_Name

Crop_Year

Season

Crop

Area

Production

All tabs

Drag and drop data here to filter all tabs.

This tab

Crop

Apple, Bajra, Arecanut, Ai

4

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Productions

With Years Usage O...rea And Production

Top 10 States With Most Area

State With Crop Production

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State_Name and Crop

State_Name	Crop
Andaman and Nicobar Islands	Arecanut
	Arhar/Tur
	Arecanut
Andhra Pradesh	Arhar/Tur
	Bajra
Assam	Arecanut
	Arhar/Tur
Bihar	Bajra
Chandigarh	Arhar/Tur

Crop

Search

☒ Apple

☐ Arcanut (Processed)

☒ Arecanut

☒ Arhar/Tur

☐ Ash Gourd

☐ Atcanut (Raw)

☒ Bajra

☐ Banana

☐ Barley

☐ Bean

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