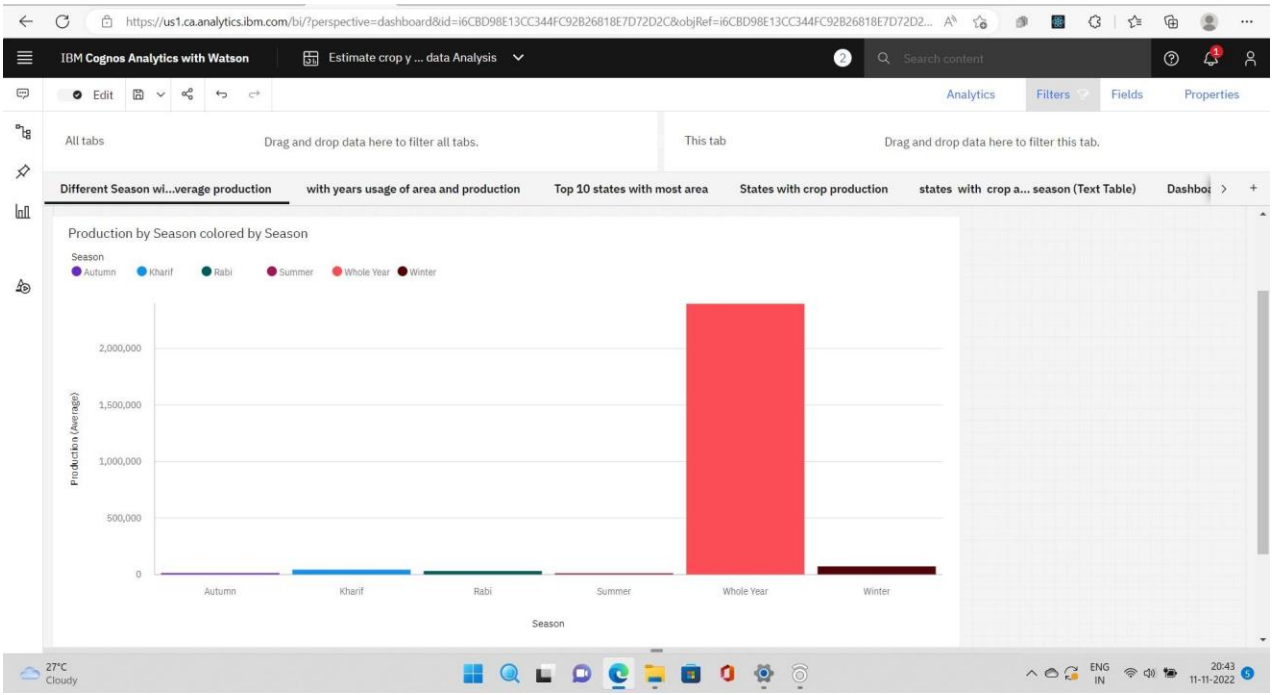
Project Development Phase
Model Performance Test

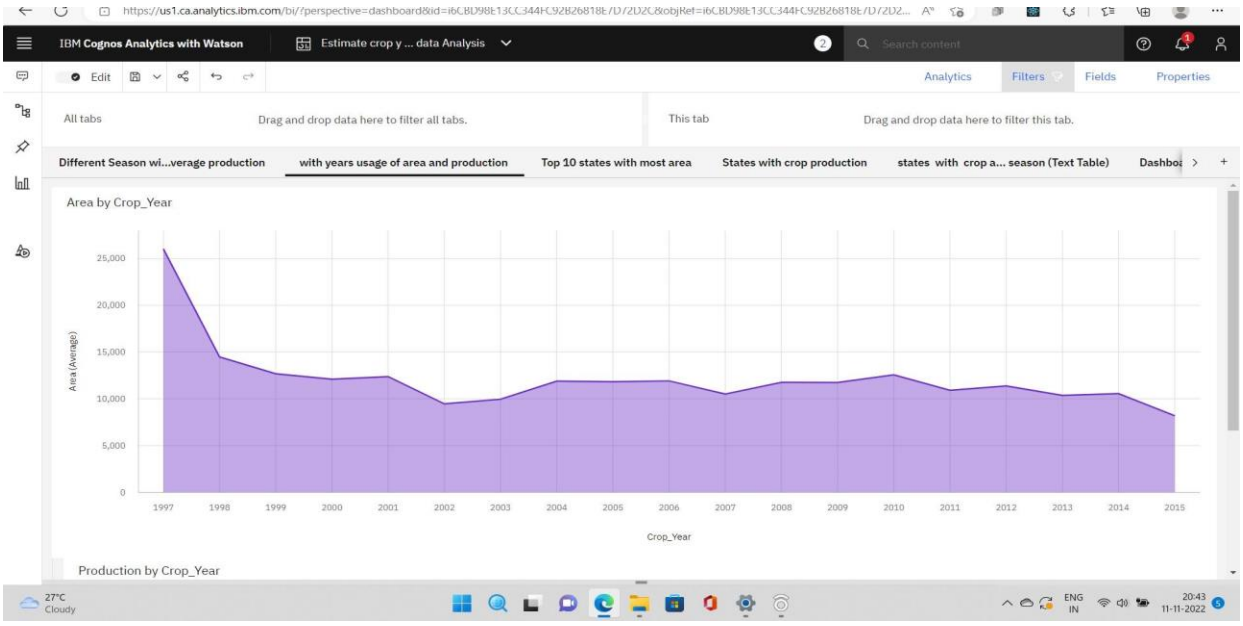
Date	10 November 2022
Team ID	PNT2022TMID12962
Project Name	Estimate the Crop Yield using Data Analytics
Maximum Marks	10 Marks

Model Performance Testing:

Project team shall fill the following information in model performance testing template.

S.No.	Parameter	Screenshot / Values
1.	Dashboard design	No of Visualizations / Graphs - 5/7
2.	Data Responsiveness	Yes, CROP PRODUCTION DATASET The dataset contains 7 rows and 246091 record and dataset contains different state name, different district name, crop year ,crop, area, season and production
3.	Amount Data to Rendered (DB2 Metrics)	To connect IBM Db2 database cloud with cognos analytics: By using IBM Db2 to create Dashboard,Report,Story,Visualization andExploratory data analytics(EDA)
4.	Utilization of Data Filters	Utilization of data filters - 12
5.	Effective User Story	No of Scene Added - 8 To create the Registration page of the Website To create the Login page of the Website To create the Dashboard page of the Website To work on the given dataset,Understand the Dataset Load the dataset to Cloud platform then Build the required Visualizations Using the Crop production in Indian dataset,create various graphs and charts to highlight the insights and visualizations. Build a Visualizations to showcase Average Crop Production by Seasons Showcase the Yearly usage of Area in Crop Production
6.	Descriptive Reports	No of Visulizations / Graphs - 5 Visualization1 - Average Crop Production by Seasons Visualization2 - Yearly usage of area in crop production Visualization3 - Top 10 States in Crop Yield Production by Area Visualization 4 - Crop Production by State Visualization5 - Represent the States with Seasonal Crop Production using a Text representation


IBM Cognos Analytics with Watson
Estimate crop y ... data Analysis
Edit
Analytics
Filters
Fields
Properties
All tabs
Drag and drop data here to filter all tabs.
This tab
Drag and drop data here to filter this tab.
Different Season wi...verage production
with years usage of area and production
Top 10 states with most area
States with crop production
states with crop a... season (Text Table)
Production by Season colored by Season
Season
Autumn
Kharif
Rabi
Summer
Whole Year
Winter
Production (Average)
2,000,000
1,500,000
1,000,000
500,000
0
Autumn
Kharif
Rabi
Summer
Whole Year
Winter
Season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Properties
All tabs
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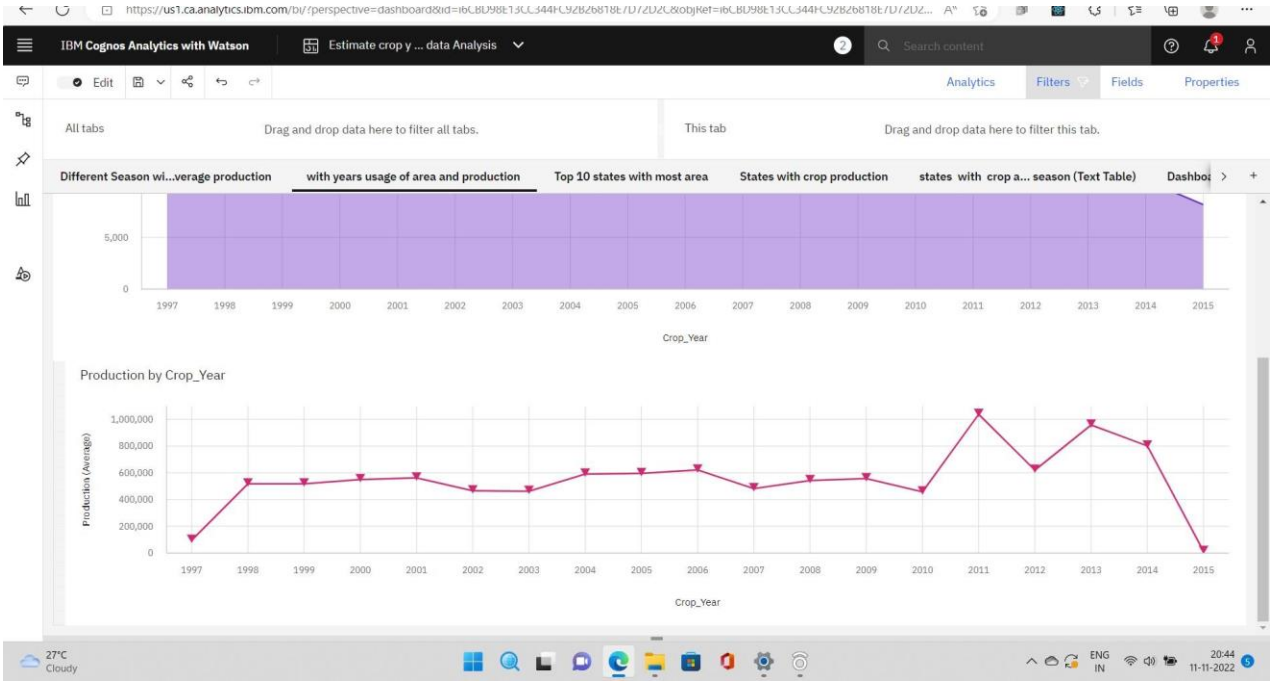
Drag and drop data here to filter this tab.
Different Season wi...verage production
with years usage of area and production
Top 10 states with most area
States with crop production
states with crop a... season (Text Table)
Area by Crop_Year
Area (Average)
25,000
20,000
15,000
10,000
5,000
0
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
Crop_Year
Production by Crop_Year


IBM Cognos Analytics with Watson
Estimate crop y ... data Analysis
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Filters
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All tabs
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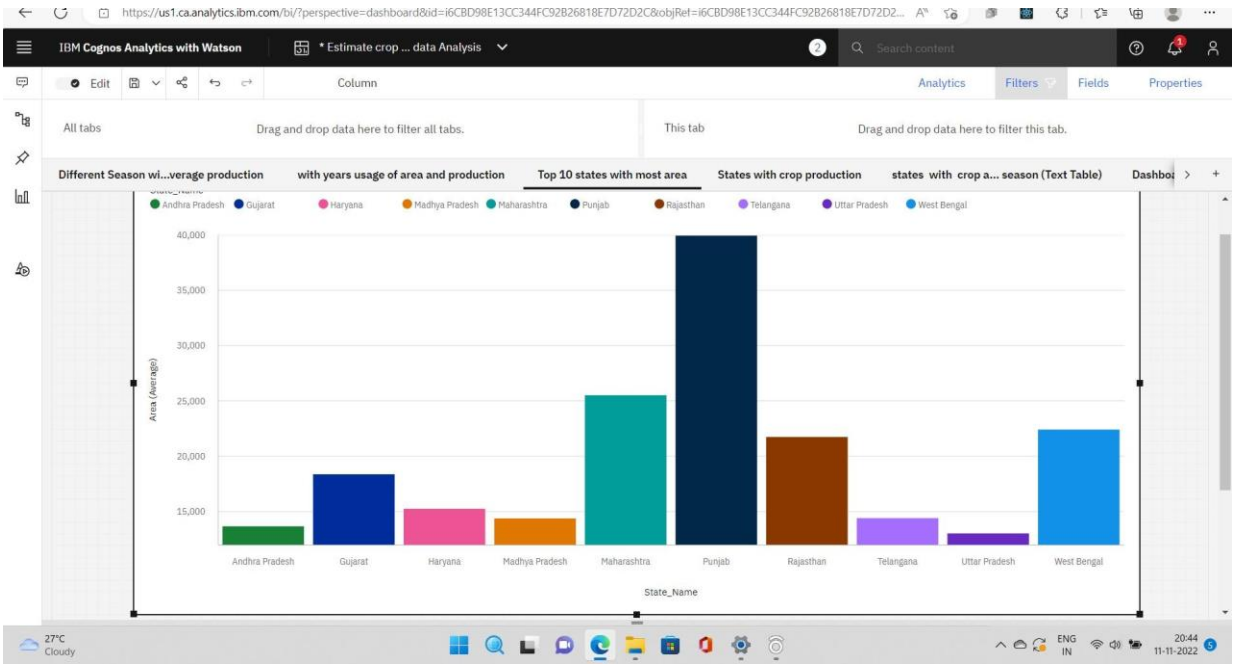
Drag and drop data here to filter this tab.
Different Season wi...verage production
with years usage of area and production
Top 10 states with most area
States with crop production
states with crop a... season (Text Table)
Crop_Year
Production by Crop_Year
Production (Average)
1,000,000
800,000
600,000
400,000
200,000
0
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
27°C
Cloudy
ENG
IN
20:44
11-11-2022


IBM Cognos Analytics with Watson
* Estimate crop ... data Analysis
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Column
Analytics
Filters
Fields
Properties
All tabs
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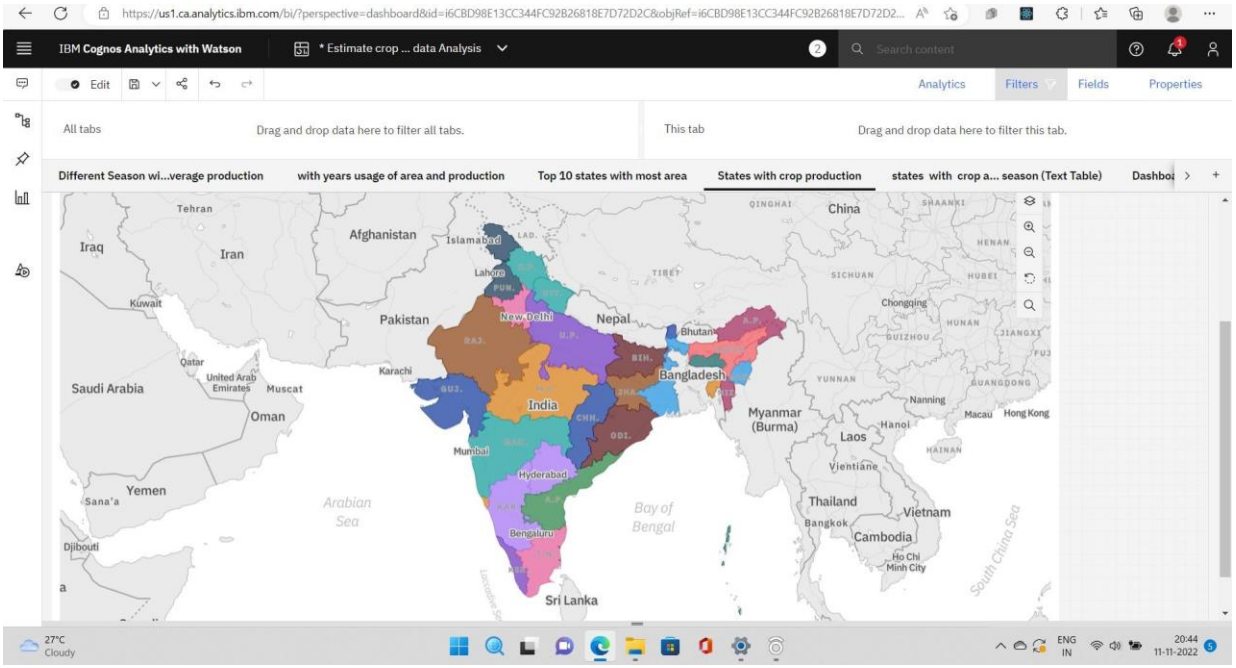
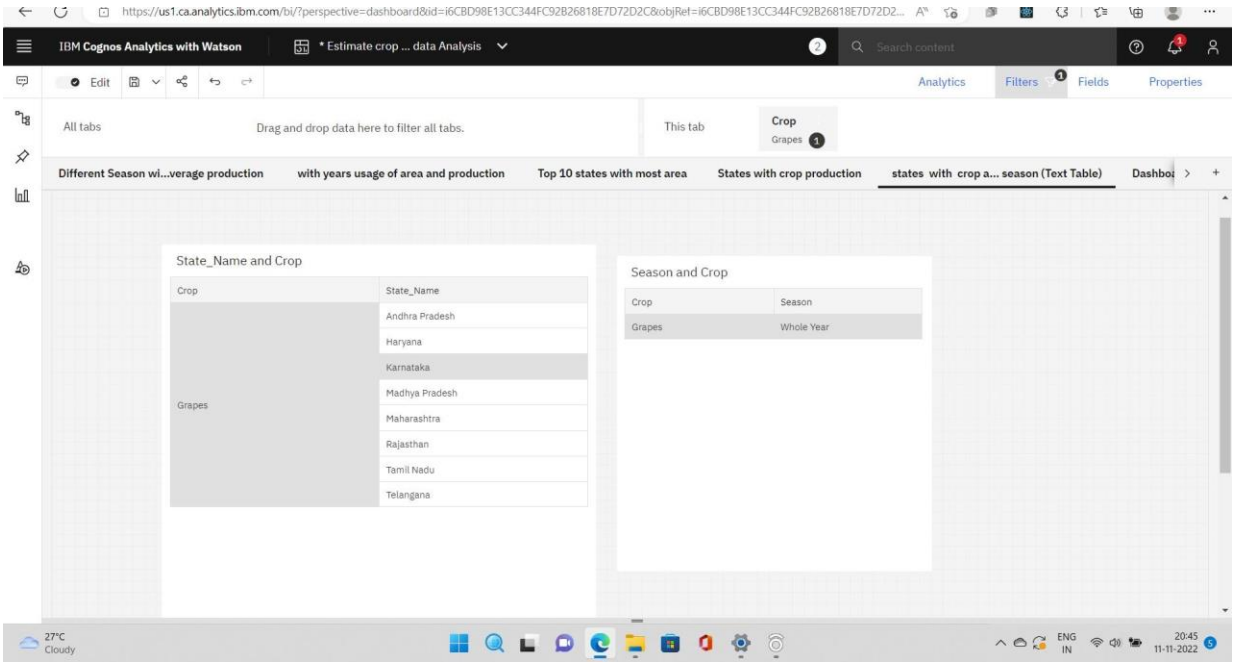
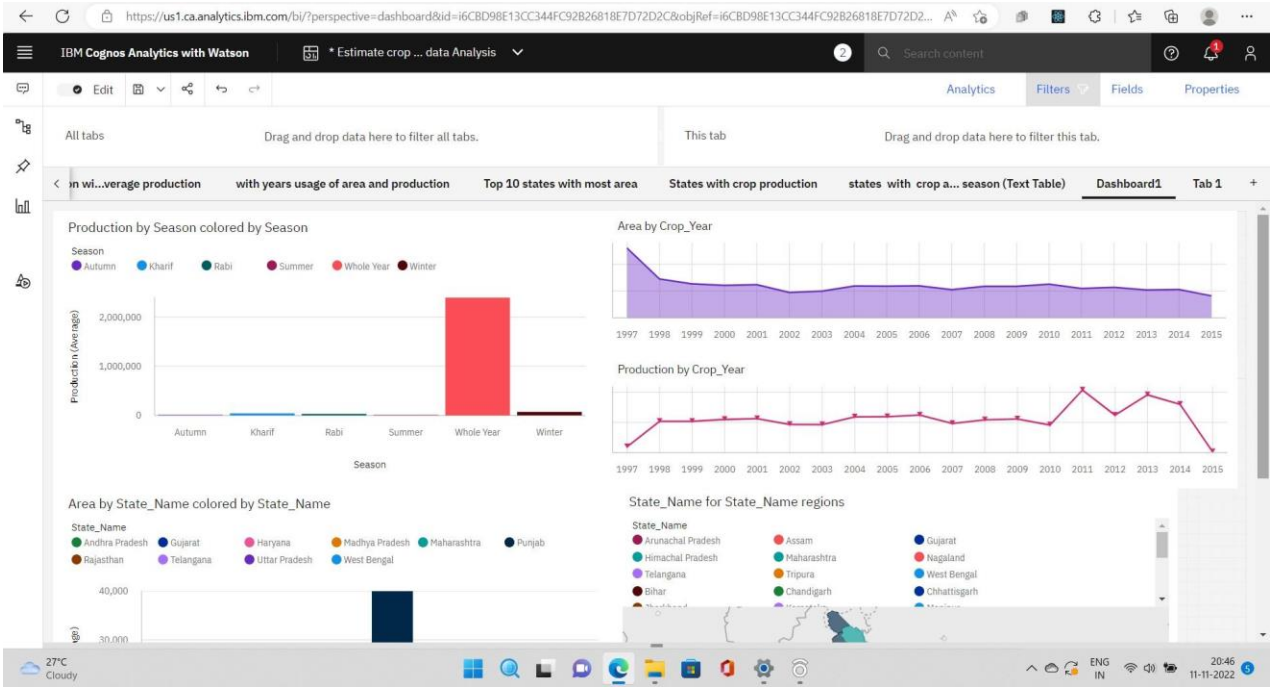
This tab
Drag and drop data here to filter this tab.
Different Season wi...verage production
with years usage of area and production
Top 10 states with most area
States with crop production
states with crop a... season (Text Table)
Andhra Pradesh
Gujarat
Haryana
Madhya Pradesh
Maharashtra
Punjab
Rajasthan
Telangana
Uttar Pradesh
West Bengal
Area (Average)
40,000
35,000
30,000
25,000
20,000
15,000
State_Name
27°C
Cloudy
ENG
IN
20:44
11-11-2022


IBM Cognos Analytics with Watson
* Estimate crop ... data Analysis
Edit
Analytics
Filters
Fields
Properties
All tabs
Drag and drop data here to filter all tabs.
This tab
Drag and drop data here to filter this tab.
Different Season wi...verage production
with years usage of area and production
Top 10 states with most area
States with crop production
states with crop a... season (Text Table)
Dashboa
Tehran
Iraq
Iran
Afghanistan
Islamabad
Lahore
Pakistan
New Delhi
Nepal
Bhutan
Bangladesh
India
China
Kuwait
Qatar
United Arab Emirates
Muscat
Saudi Arabia
Oman
Karachi
Mumbai
Hyderabad
Bengaluru
Sri Lanka
Myanmar (Burma)
Laos
Thailand
Vietnam
Cambodia
Bangkok
Hanoi
Nanning
Macau
Hong Kong
Yemen
Sana'a
Djibouti
Arabian Sea
Bay of Bengal
South China Sea
27°C
Cloudy
ENG
IN
20:44
11-11-2022


IBM Cognos Analytics with Watson
* Estimate crop ... data Analysis
Edit
Analytics
Filters
Fields
Properties
All tabs
Drag and drop data here to filter all tabs.
This tab
Crop
Grapes
Different Season wi...verage production
with years usage of area and production
Top 10 states with most area
States with crop production
states with crop a... season (Text Table)
Dashboa
State_Name and Crop
Crop
State_Name
Grapes
Andhra Pradesh
Haryana
Karnataka
Madhya Pradesh
Maharashtra
Rajasthan
Tamil Nadu
Telangana
Season and Crop
Crop
Season
Grapes
Whole Year
27°C
Cloudy
ENG
IN
20:45
11-11-2022


IBM Cognos Analytics with Watson
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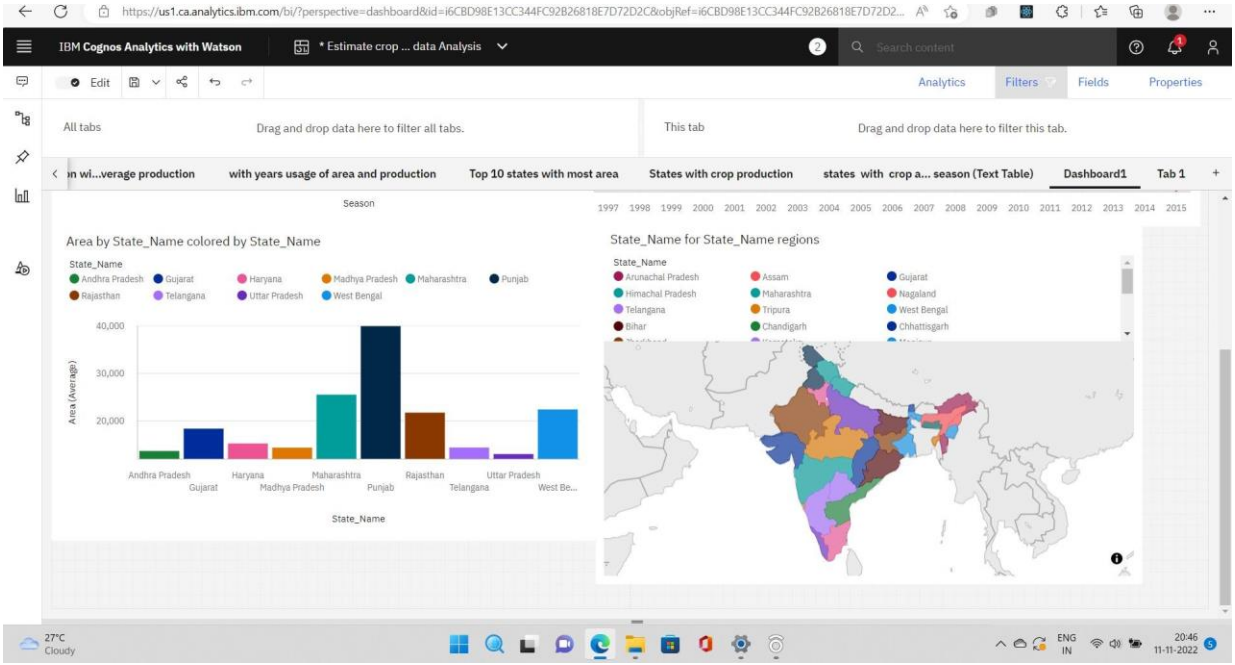
Edit
Analytics
Filters
Fields
Properties
All tabs
Drag and drop data here to filter all tabs.
This tab
Drag and drop data here to filter this tab.
with years usage of area and production
Top 10 states with most area
States with crop production
Dashboard1
Tab 1
Production by Season colored by Season
Season
Autumn
Kharif
Rabi
Summer
Whole Year
Winter
Production (Average)
Area by Crop_Year
Production by Crop_Year
Area by State_Name colored by State_Name
State_Name for State_Name regions
Andhra Pradesh
Gujarat
Haryana
Madhya Pradesh
Maharashtra
Punjab
Rajasthan
Telangana
Uttar Pradesh
West Bengal
Arunachal Pradesh
Assam
Himachal Pradesh
Nagaland
Tripura
Bihar
Chandigarh
Chhattisgarh
27°C
Cloudy
ENG
IN
20:46
11-11-2022


IBM Cognos Analytics with Watson
* Estimate crop ... data Analysis
Edit
Analytics
Filters
Fields
Properties
All tabs
Drag and drop data here to filter all tabs.
This tab
Drag and drop data here to filter this tab.
with years usage of area and production
Top 10 states with most area
States with crop production
Dashboard1
Tab 1
Area by State_Name colored by State_Name
State_Name for State_Name regions
Area (Average)
Andhra Pradesh
Gujarat
Haryana
Madhya Pradesh
Maharashtra
Punjab
Rajasthan
Telangana
Uttar Pradesh
West Bengal
Arunachal Pradesh
Assam
Himachal Pradesh
Nagaland
Tripura
Bihar
Chandigarh
Chhattisgarh
27°C
Cloudy
ENG
IN
20:46
11-11-2022