Project Development phase

Sprint-3

Analysis and Estimation(Working and Loading the dataset)

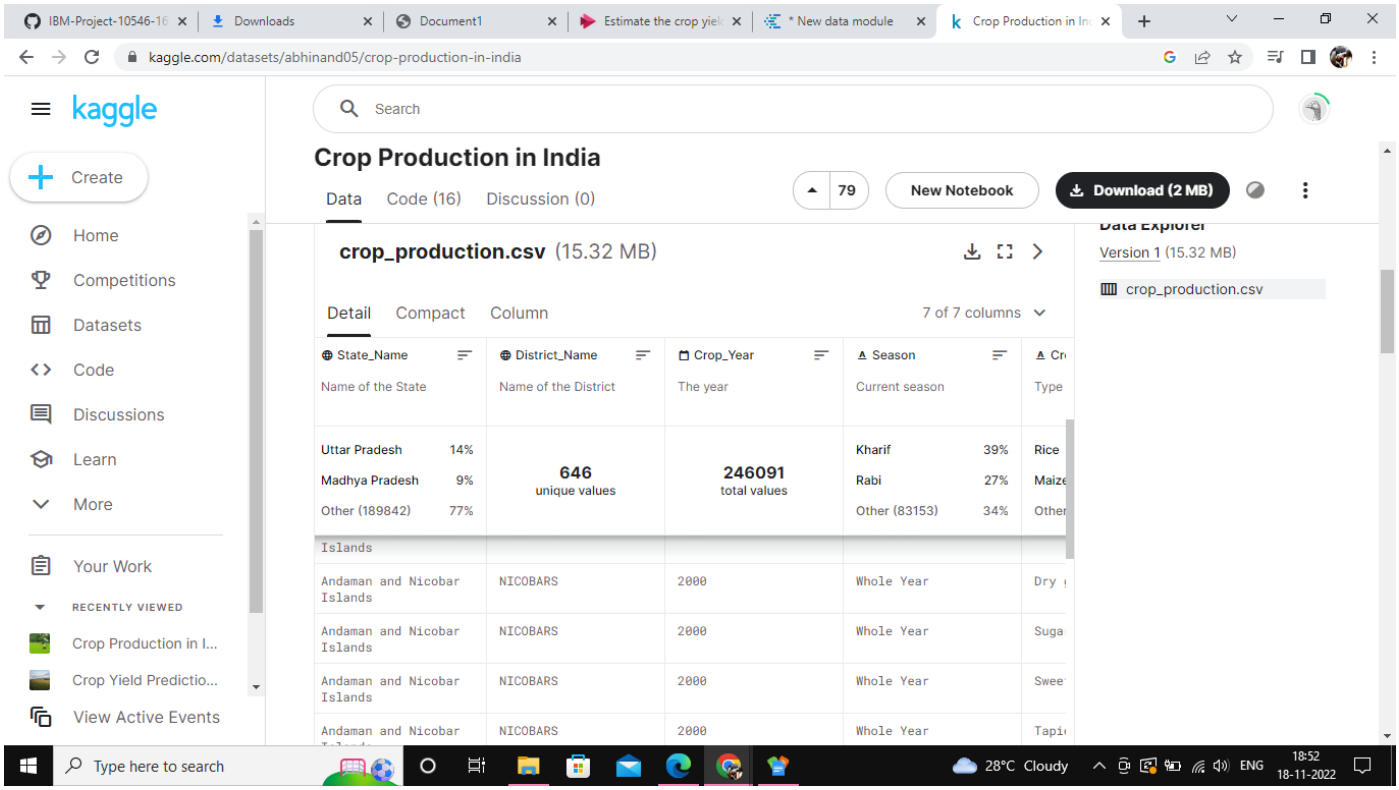
Team ID	PNT2022TMID50933
Project Name	Estimate the crop yield using data analytics

Working with the Dataset:

❖Understanding the dataset:

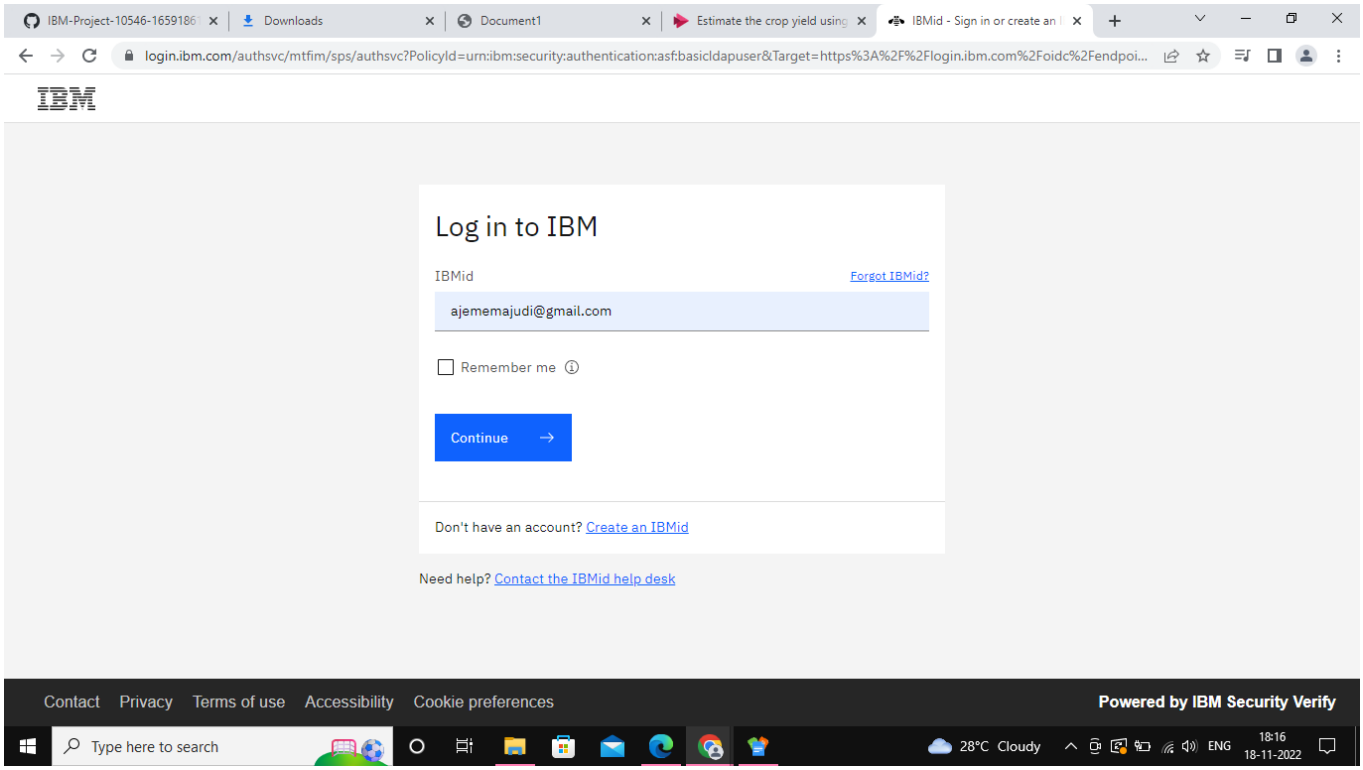
This project is based on a understanding the crop production of India .Download the dataset from the below link. It has 2,46,092 data points (rows) and 6 features (columns) describing each crop production related details. Firstly, download the dataset. Data Given in csv file is understood clearly. In case of understanding the data, we have been working with and give a brief overview of what each feature represents or should represent.

1. State name – All the Indian state names
2. District Name -Different District names.
3. Crop Year- contains the crop years.
4. Season – Different seasons for crop production.
5. Area- Total number of areas covered.
6. Production- production of crops.



❖ Loading the Dataset:

- Before building a view and analyze firstly, we have made a connect of the data to IBM Cognos. Cognos supports connecting to a wide variety of data, stored in a variety of places.
- The data might be stored on your computer in a spreadsheet or a text file, or in a big data, relational, or cube (multidimensional) database on a server in your enterprise. In our case, we will be using a spreadsheet or text file for making our analysis.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Downloads
Document1
Estimate the crop yield using
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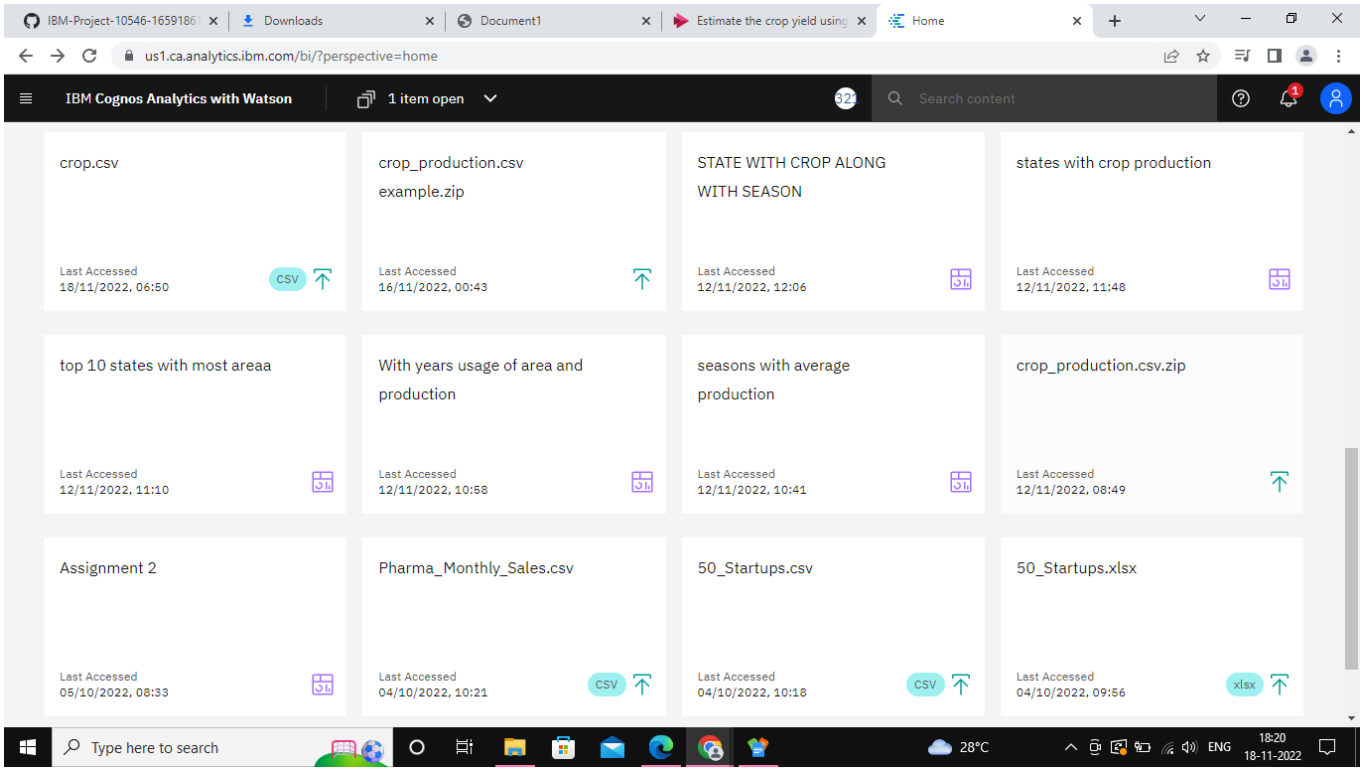
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Downloads
Document1
Estimate the crop yield using
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IBM Cognos Analytics with Watson
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Last Accessed
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Assignment 2
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Pharma_Monthly_Sales.csv
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CSV
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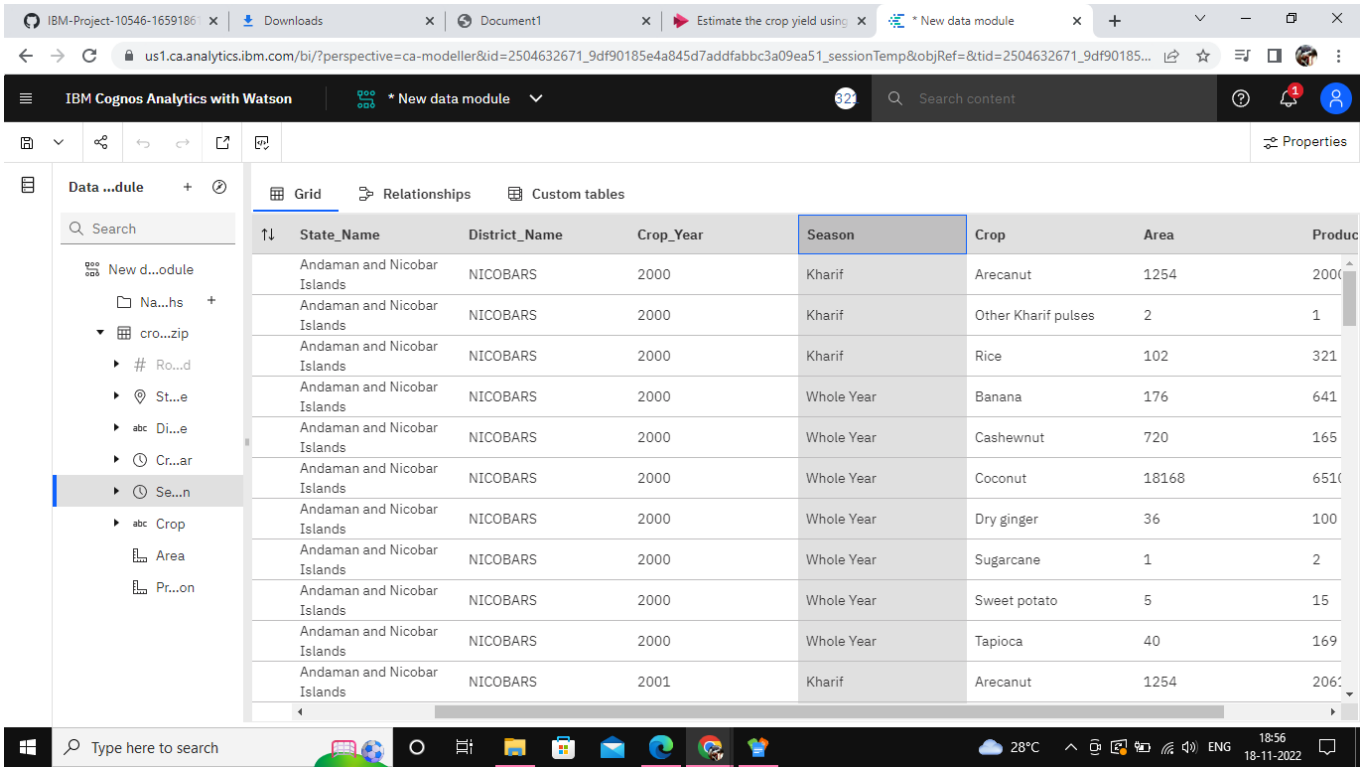
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Downloads
Document1
Estimate the crop yield using
* New data module
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IBM Cognos Analytics with Watson
* New data module
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Relationships
Custom tables
State_Name
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Produc
Andaman and Nicobar Islands
NICOBARS
2000
Kharif
Arecanut
1254
Other Kharif pulses
2
Rice
102
Whole Year
Banana
176
Cashewnut
720
Coconut
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Dry ginger
36
Sugarcane
1
Sweet potato
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Tapioca
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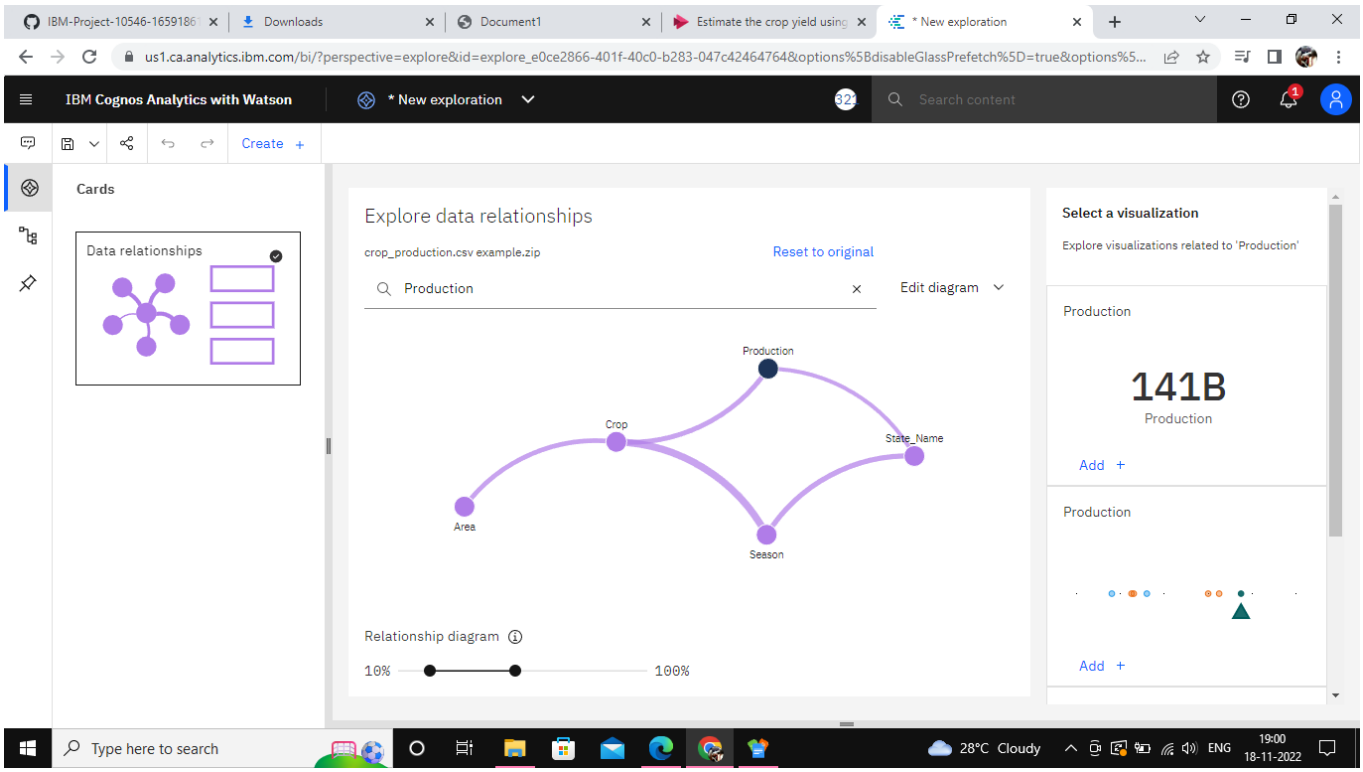
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Document1
Estimate the crop yield using
* New exploration
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Search content
Create
Cards
Data relationships
Explore data relationships
crop_production.csv example.zip
Reset to original
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Edit diagram
Production
Crop
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Select a visualization
Explore visualizations related to 'Production'
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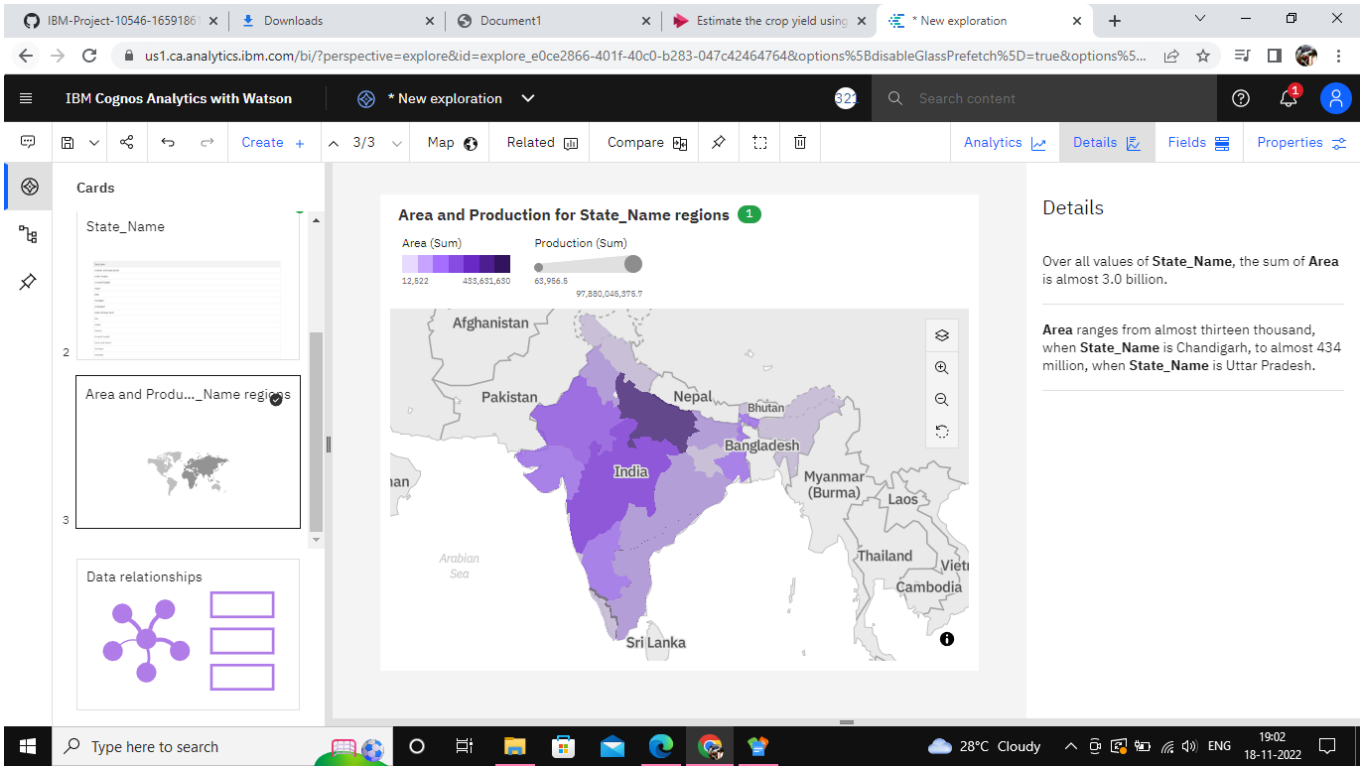
IBM Cognos Analytics with Watson
* New exploration
Create
Map
Related
Compare
Analytics
Details
Fields
Properties
Cards
State_Name
Area and Produ..._Name regions
Data relationships
Area and Production for State_Name regions
Area (Sum)
Production (Sum)
Afghanistan
Pakistan
Nepal
Bhutan
Bangladesh
India
Myanmar (Burma)
Laos
Thailand
Cambodia
Sri Lanka
Arabian Sea
Details
Over all values of State_Name, the sum of Area is almost 3.0 billion.
Area ranges from almost thirteen thousand, when State_Name is Chandigarh, to almost 434 million, when State_Name is Uttar Pradesh.
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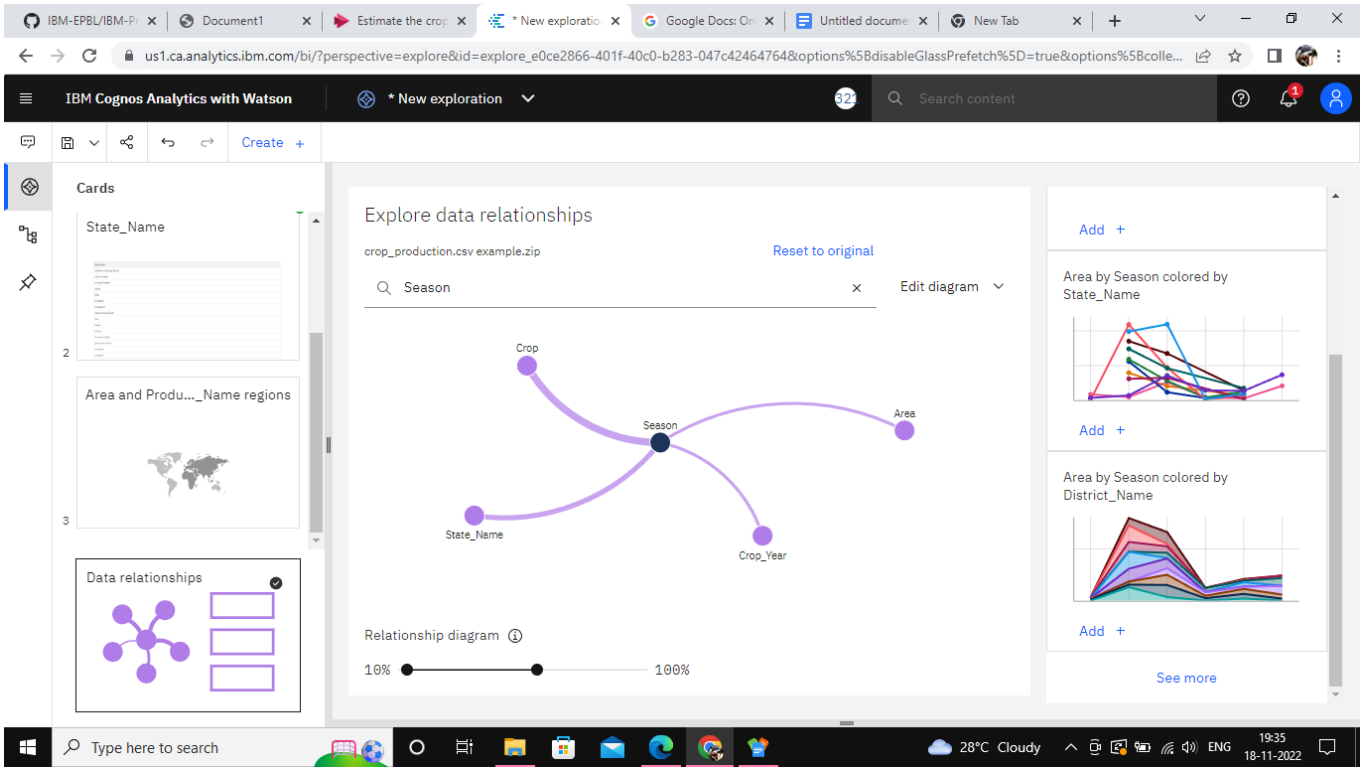
IBM Cognos Analytics with Watson
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Create
Cards
State_Name
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Data relationships
Explore data relationships
crop_production.csv example.zip
Reset to original
Season
Edit diagram
Crop
Season
Area
State_Name
Crop_Year
Relationship diagram
10%
100%
Add
Area by Season colored by State_Name
Add
Area by Season colored by District_Name
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See more
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