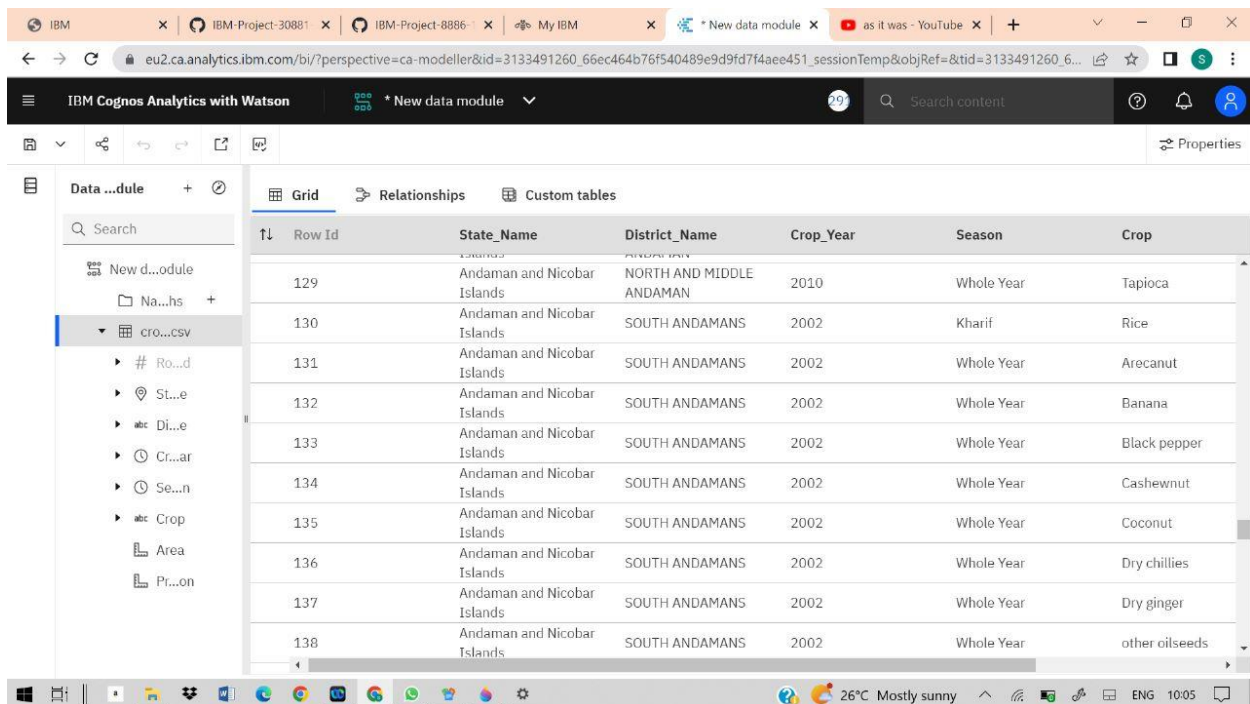


Understanding The Dataset

This project is based on 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.

Let's understand the data we're 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.



The screenshot shows the IBM Cognos Analytics interface. The main table displays data for the Andaman and Nicobar Islands. The columns are Row Id, State_Name, District_Name, Crop_Year, Season, and Crop. The data rows show various crops like Tapioca, Rice, Arecanut, Banana, Black pepper, Cashewnut, Coconut, Dry chillies, Dry ginger, and other oilseeds, along with their respective districts and crop years.

| Row Id | State_Name | District_Name | Crop_Year | Season | Crop |
|--------|-----------------------------|--------------------------|-----------|------------|----------------|
| 129 | Andaman and Nicobar Islands | NORTH AND MIDDLE ANDAMAN | 2010 | Whole Year | Tapioca |
| 130 | Andaman and Nicobar Islands | SOUTH ANDAMANS | 2002 | Kharif | Rice |
| 131 | Andaman and Nicobar Islands | SOUTH ANDAMANS | 2002 | Whole Year | Arecanut |
| 132 | Andaman and Nicobar Islands | SOUTH ANDAMANS | 2002 | Whole Year | Banana |
| 133 | Andaman and Nicobar Islands | SOUTH ANDAMANS | 2002 | Whole Year | Black pepper |
| 134 | Andaman and Nicobar Islands | SOUTH ANDAMANS | 2002 | Whole Year | Cashewnut |
| 135 | Andaman and Nicobar Islands | SOUTH ANDAMANS | 2002 | Whole Year | Coconut |
| 136 | Andaman and Nicobar Islands | SOUTH ANDAMANS | 2002 | Whole Year | Dry chillies |
| 137 | Andaman and Nicobar Islands | SOUTH ANDAMANS | 2002 | Whole Year | Dry ginger |
| 138 | Andaman and Nicobar Islands | SOUTH ANDAMANS | 2002 | Whole Year | other oilseeds |



Different Seasons ...verage Productions

With years usage of...ea and Productions

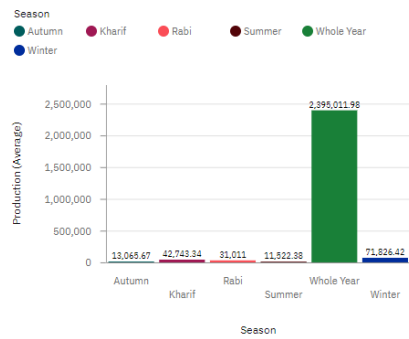
Top 10 States with Most Area

State with Crop Production

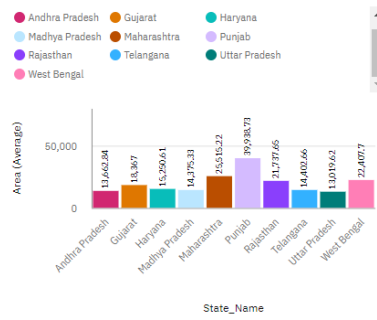
Tab 1

Dashboard

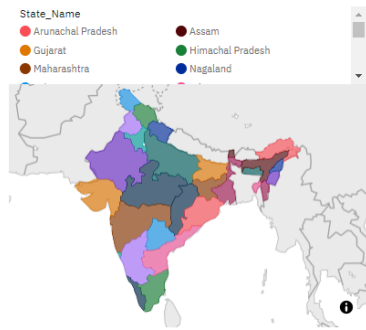
Production by Season colored by Season



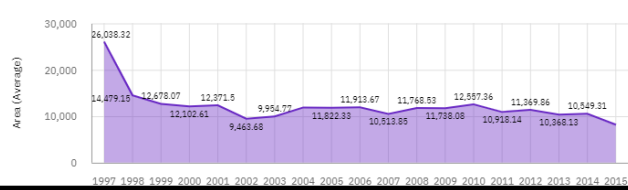
Area by State_Name colored by State_Name



State_Name for State_Name regions



Area by Crop_Year



State_Name and Crop

| Crop | State_Name |
|---------------------|---------------------|
| Apple | Tamil Nadu |
| Arcanut (Processed) | Karnataka |
| | Andaman and Nico... |
| | Andhra Pradesh |
| | Assam |
| | Goa |

Season and Crop

| Crop | Season |
|---------------------|------------|
| Apple | Whole Year |
| Arcanut (Processed) | Whole Year |
| | Autumn |
| | Rabi |
| | Whole Year |
| | Autumn |