Agriculture Data Analytics in Crop Yield Estimation using IBM Cognos

Introduction

Crop production in India is one of the important sources of income and India is one of the top countries to produce crops. As per this project we will be analyzing some important visualization, creating a dashboard and by going through these we will get most of the insights of Crop production in India.

Aim

- Users.
- Using is done.
- Saving and Visualizing the final dashboard.

To create multiple analysis graphs/charts and with the analyzed chart, create Dashboard in the IBM Cognos Analytics

Dataset

This project is based on a understanding the crop production of India. The Dataset has 2,46,092 data points (rows) and 6 features (columns) describing each crop production related details viz

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.

Dashboard Creation

Dash board is created with the following visualization charts
- Seasons with average productions
- With years usage of Area and Production
- Top 10 States with most area
- State with crop production
- Data States with the crop production along with season (Text Table)
- Export the Analytics