

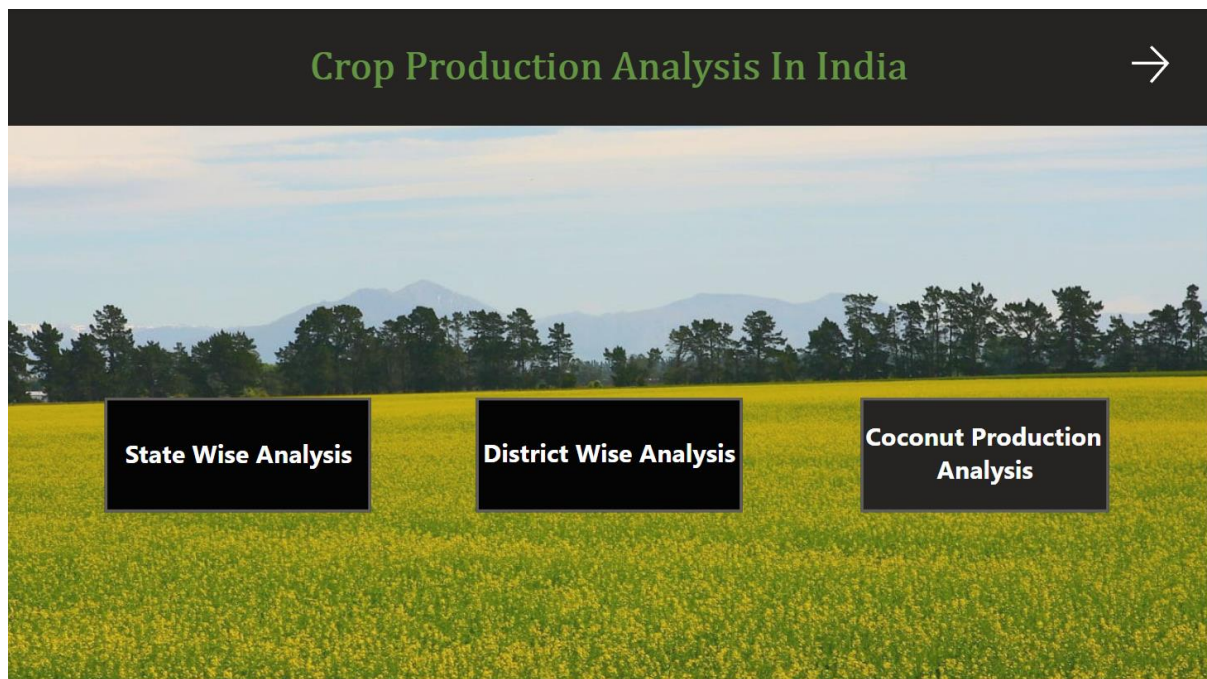
Wireframe Documentation

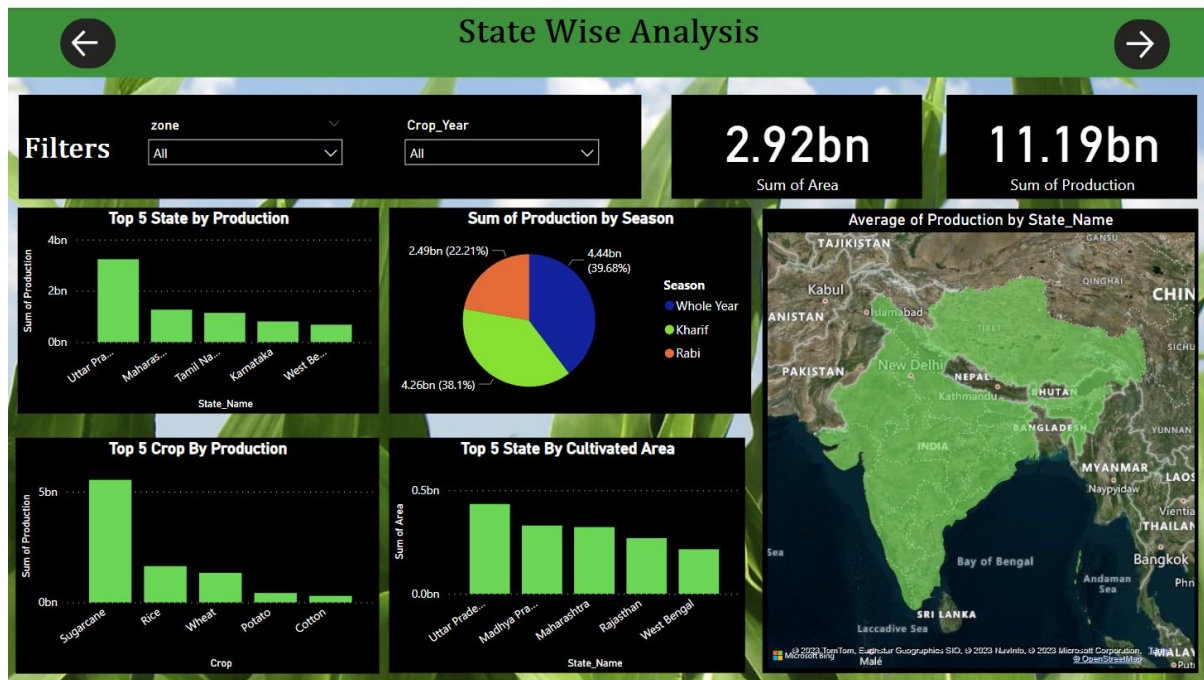
Crop Production Analysis In India



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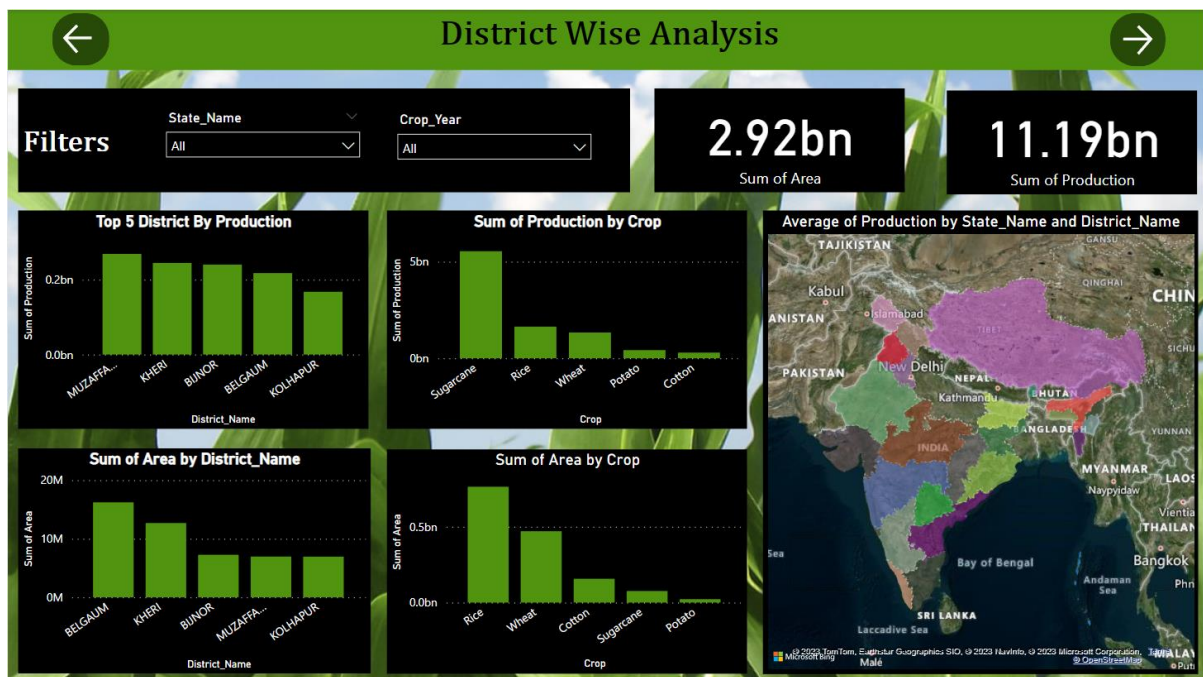
We performed EDA on Jupyter Notebook & then created Power BI Desktop Dashboard.



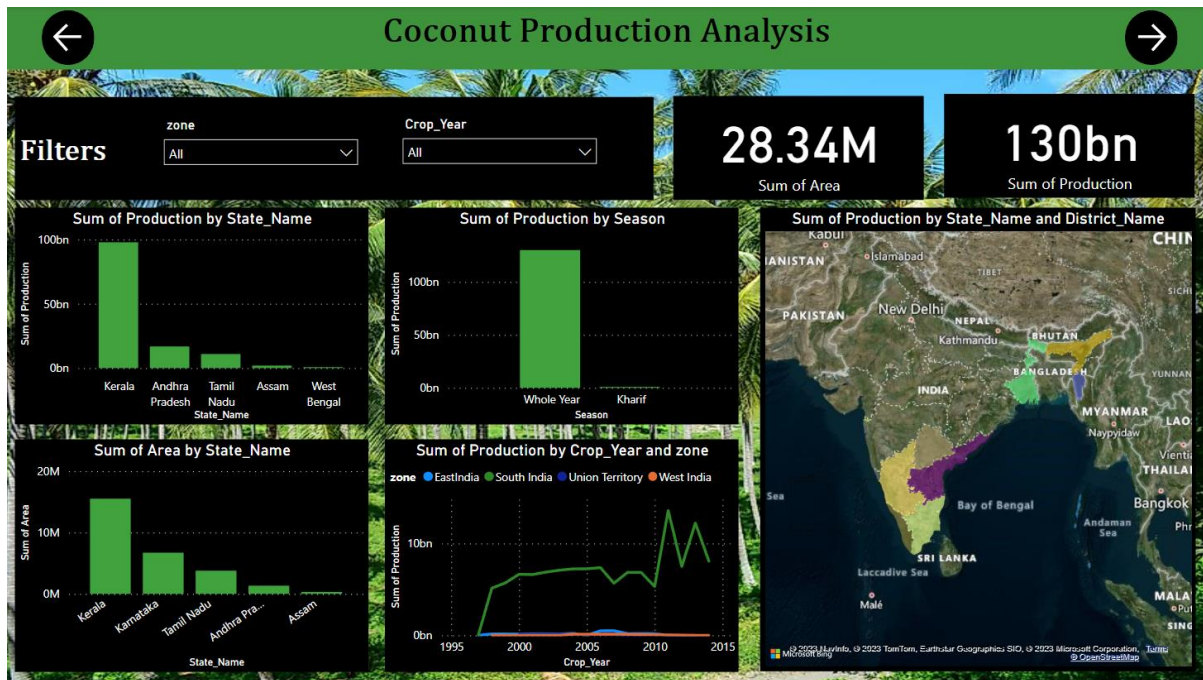


- In India Top 5 State by Production are Uttar Pradesh, Maharashtra, Tamil Nadu, Karnataka, West Bengal respectively
- Sugarcane, Rice, Wheat, Potato, Cotton are the Top 5 Crop as per Production respectively
- Total production of Sugarcane is Highest Among All Crops
- Maximum Production of Sugarcane Comes in Whole Year Season
- Uttar Pradesh is having Highest Production and Cultivation area.
- Total production of Rice is Second Highest Among All Crops
- West Bengal is having Highest Production, but Cultivation area is highest in Uttar Pradesh
- Maximum Production of Rice Comes Kharif Season
- Total production of Wheat is Third Highest Among All Crops
- Uttar Pradesh is having Highest Production and Cultivation area
- Maximum Production of Wheat Comes in Rabi Season

- North India Is Having Maximum Production Among All Zones
- Maximum Production seen in 1997 and Minimum in 2015



- 38 different types of crops are cultivating in 646 districts of India
- Top 3 Districts in production and cultivation area belongs to Uttar Pradesh
- In Every state some Districts are Dominating in Production and cultivation area like
- In West Bengal - Murshidabad, Midnapur west, Bardhaman Are Dominating
- In Uttar Pradesh - Muzzfer Nagar, Kheri, Bijnor
- If variety of crops are higher in state Dosent mean maximum production will come from same state



- Coconut is having highest production of India
- West Zone is having zero production of coconut
- South zone is having highest coconut production
- Kerla is having maximum production in South Zone which is approx 75% of total coconut production
- Assam is having maximum production in East Zone
- Goa is having maximum production in West Zone

Overview					
zone	Sum of Production	Sum of Area	Crop	Sum of Production	Sum of Area
EastIndia	1,42,91,10,711.64	55,62,81,652.27	Arecanut	2,14,66,672.66	62,89,225.01
Arunachal Pradesh	68,23,912.60	43,64,340.00	Bajra	17,18,24,867.46	18,04,80,866.96
Assam	15,73,43,654.00	7,00,43,890.00	Banana	14,61,32,679.64	52,44,460.43
Bihar	36,64,83,596.66	12,82,69,514.00	Barley	2,20,98,266.92	1,03,97,792.39
Jharkhand	1,07,77,741.75	93,91,046.23	Cashewnut	26,97,762.23	56,98,595.96
Manipur	52,30,867.00	20,06,817.00	Castor seed	1,59,52,058.65	1,29,99,047.00
Meghalaya	1,21,12,496.00	40,35,028.00	Cotton	29,70,08,557.70	15,65,64,637.00
Mizoram	16,61,499.83	9,93,625.17	Dry chillies	1,77,12,254.21	1,00,10,311.02
Nagaland	1,27,51,048.00	60,49,106.00	Dry ginger	1,08,68,254.82	13,07,334.38
Odisha	16,09,04,070.10	10,98,63,514.00	Fruits	2,56,19,926.00	35,04,692.00
Sikkim	24,35,735.00	15,24,479.00	Garlic	87,88,773.80	18,70,578.00
Tripura	1,25,22,917.00	46,41,609.00	Gram	10,31,56,957.93	13,33,70,196.95
West Bengal	68,00,63,173.70	21,50,98,683.87	Groundnut	11,17,44,878.20	10,27,07,037.25
North India	5,19,65,35,749.77	1,36,87,31,754.00	Guar seed	1,27,51,525.00	3,12,51,094.00
South India	2,54,51,19,659.72	43,33,61,073.01	Jowar	11,45,98,259.10	13,76,51,946.00
Andhra Pradesh	51,85,88,036.00	13,01,09,277.00	Jute	19,40,64,034.90	1,63,61,492.00
Total	11,19,29,80,023.90	2,91,82,83,227.93	Linseed	25,37,279.52	62,93,599.00
			Maize	27,33,41,803.57	12,14,78,972.38
			Total	11,19,30,43,980.40	2,91,82,95,729.93