

PROJECT DEVELOPMENT PHASE

SPRINT 1

ANALYSIS AND ESTIMATION (Working and Loading the dataset)

DATE	16 November 2022
TEAM ID	PNT2022TMID08879
PROJECT NAME	Estimation of crop yield using Data Analytics
TEAM LEADER	GOKUL M (727619BIT018)

Working with dataset:

The crop production dataset has been downloaded and uploaded in the IBM Cognos for further Exploration of that in a data progress view like Bar chart, pie Chart,etc..

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.

It contains for the following

1. State Name
2. District Name
3. Crop Year
4. Season
5. Area
6. Production

State_Name	District_Name	Crop_Year	Season	Crop	Area	Production
Andaman and Nicobar Islands	NICOBARS	2000	Kharif	Arecanut	1254	2000
Andaman and Nicobar Islands	NICOBARS	2000	Kharif	Other Kharif pul	2	1
Andaman and Nicobar Islands	NICOBARS	2000	Kharif	Rice	102	321
Andaman and Nicobar Islands	NICOBARS	2000	Whole Year	Banana	176	641
Andaman and Nicobar Islands	NICOBARS	2000	Whole Year	Cashewnut	720	165
Andaman and Nicobar Islands	NICOBARS	2000	Whole Year	Coconut	18168	65100000
Andaman and Nicobar Islands	NICOBARS	2000	Whole Year	Dry ginger	36	100
Andaman and Nicobar Islands	NICOBARS	2000	Whole Year	Sugarcane	1	2
Andaman and Nicobar Islands	NICOBARS	2000	Whole Year	Sweet potato	5	15
Andaman and Nicobar Islands	NICOBARS	2000	Whole Year	Tapioca	40	169
Andaman and Nicobar Islands	NICOBARS	2001	Kharif	Arecanut	1254	2061
Andaman and Nicobar Islands	NICOBARS	2001	Kharif	Other Kharif pul	2	1
Andaman and Nicobar Islands	NICOBARS	2001	Kharif	Rice	83	300
Andaman and Nicobar Islands	NICOBARS	2001	Whole Year	Cashewnut	719	192
Andaman and Nicobar Islands	NICOBARS	2001	Whole Year	Coconut	18190	64430000
Andaman and Nicobar Islands	NICOBARS	2001	Whole Year	Dry ginger	46	100
Andaman and Nicobar Islands	NICOBARS	2001	Whole Year	Sugarcane	1	1
Andaman and Nicobar Islands	NICOBARS	2001	Whole Year	Sweet potato	11	33
Andaman and Nicobar Islands	NICOBARS	2002	Kharif	Rice	189.2	510.84
Andaman and Nicobar Islands	NICOBARS	2002	Whole Year	Arecanut	1258	2083
Andaman and Nicobar Islands	NICOBARS	2002	Whole Year	Banana	213	1278
Andaman and Nicobar Islands	NICOBARS	2002	Whole Year	Black pepper	63	13.5
Andaman and Nicobar Islands	NICOBARS	2002	Whole Year	Cashewnut	719	208
Andaman and Nicobar Islands	NICOBARS	2002	Whole Year	Coconut	18240	67490000
Andaman and Nicobar Islands	NICOBARS	2002	Whole Year	Dry chillies	413	28.8
Andaman and Nicobar Islands	NICOBARS	2002	Whole Year	Dry ginger	47.3	133
Andaman and Nicobar Islands	NICOBARS	2002	Whole Year	Sugarcane	5	40
Andaman and Nicobar Islands	NICOBARS	2003	Kharif	Rice	52	90.17
Andaman and Nicobar Islands	NICOBARS	2003	Whole Year	Arecanut	1261	1525
Andaman and Nicobar Islands	NICOBARS	2003	Whole Year	Banana	266	1763

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Name	Type	Last Accessed
50_startups.csv	Uploaded file	9/14/2022, 11:54 PM
crop_production.csv	Uploaded file	11/17/2022, 10:49 PM
Pharma_Monthly_Sales.csv	Uploaded file	9/26/2022, 11:20 PM

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* New exploration

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Analytics Details Filters Fields Properties

Chart A

Crop by District_Name

District_Name

- WAMSAI
- MUMBAI
- HYDERABAD
- RAMBAN
- SHOPIAN
- KHUNTI
- RAMGARH
- LONGDING
- GANDERBAL
- KUPWARA
- DHANBAD
- GIRIDIH

Chart B

Crop_Year by Crop colored by State_Name

State_Name

- Andaman and Nicobar I...
- Andhra Pradesh
- Arunachal Pradesh
- Assam
- Bihar
- Chandigarh
- Chhattisgarh
- Dadra and Nagar Haveli
- Goa
- Gujarat
- Haryana
- Himachal Pradesh

Summary	Chart A : Crop	Chart B : Crop_Year	Combined
Minimum	1	1	-
Maximum	82	19	-
Chart percent of data set	100%	100%	-
Chart total	124	19	-
Difference of chart totals			-