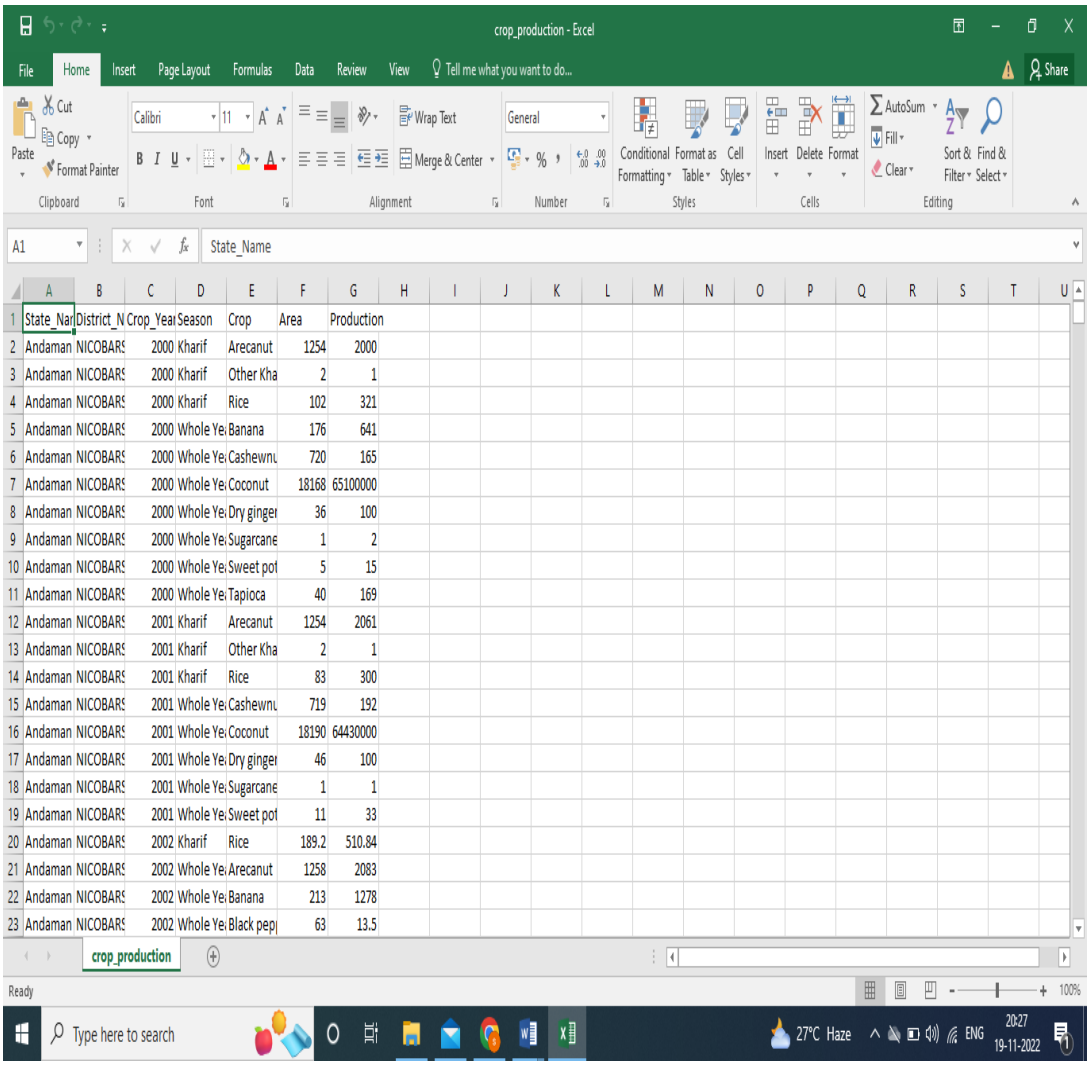
PROJECT DEVELOPMENT PHASE

SPRINT-2

Date	03 November 2022
Team ID	PNT2022TMID51723
Project Name	Estimate the crop yield using data analytics

WORKING WITH DATASETS:

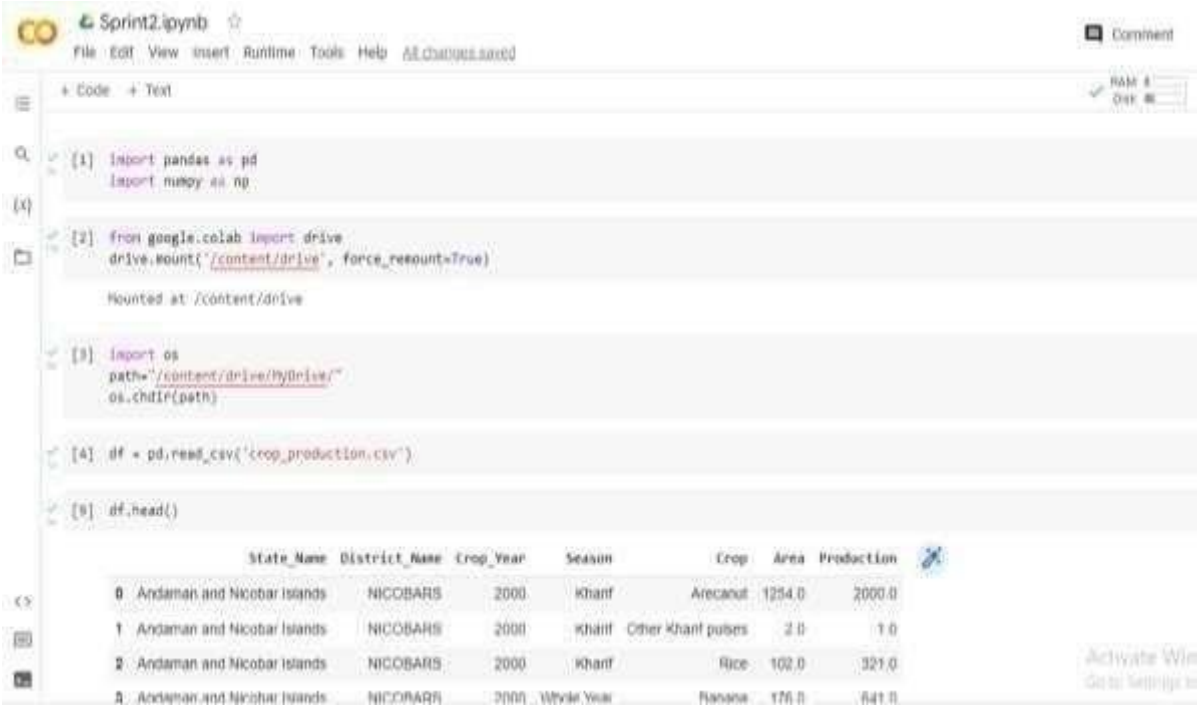
- Dataset used is as follows,

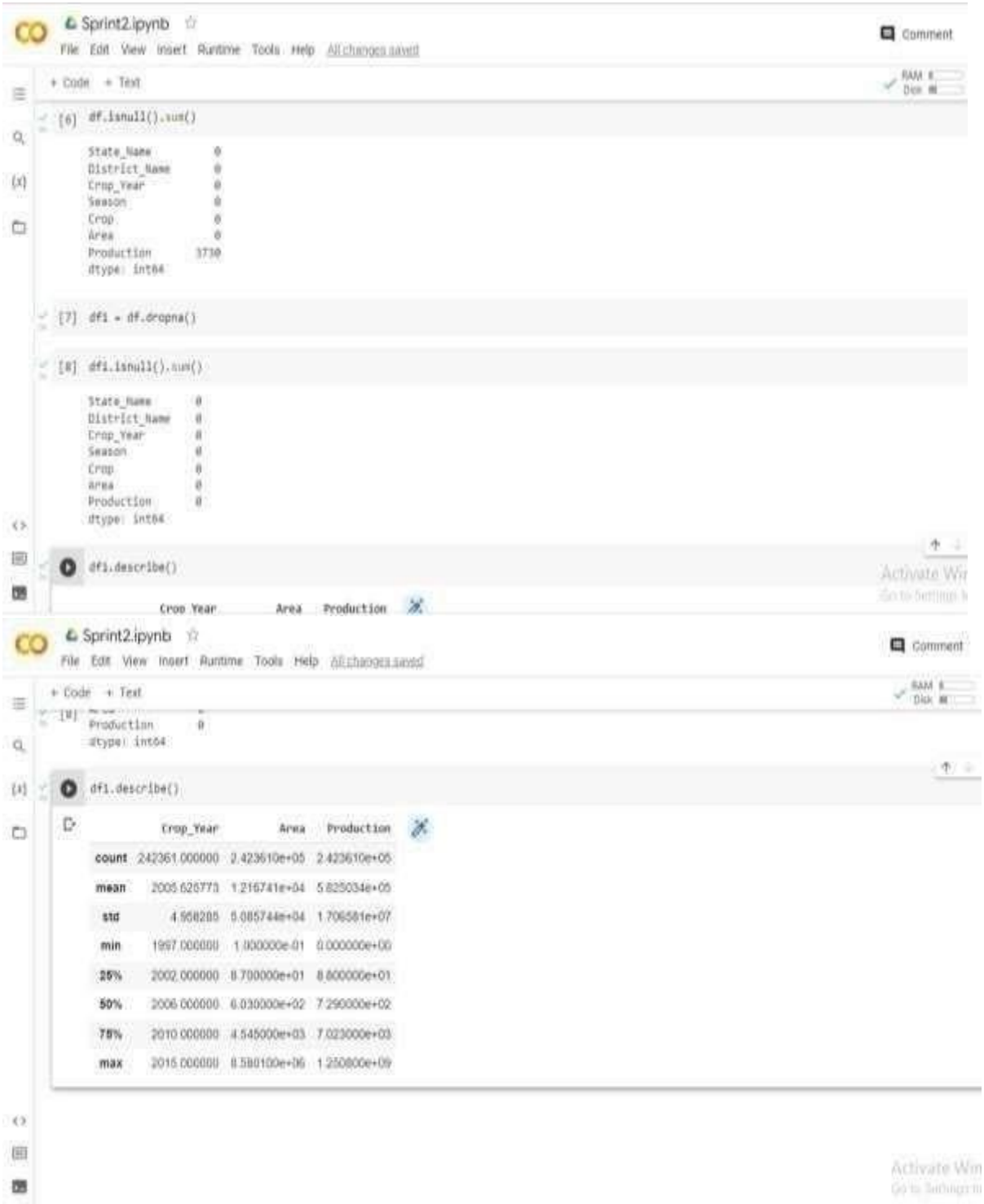


State_Nar	District_N	Crop_Yea	Season	Crop	Area	Production
Andaman	NICOBARS	2000	Kharif	Arecanut	1254	2000
Andaman	NICOBARS	2000	Kharif	Other Kha	2	1
Andaman	NICOBARS	2000	Kharif	Rice	102	321
Andaman	NICOBARS	2000	Whole Ye	Banana	176	641
Andaman	NICOBARS	2000	Whole Ye	Cashewnu	720	165
Andaman	NICOBARS	2000	Whole Ye	Coconut	18168	65100000
Andaman	NICOBARS	2000	Whole Ye	Dry ginger	36	100
Andaman	NICOBARS	2000	Whole Ye	Sugarcane	1	2
Andaman	NICOBARS	2000	Whole Ye	Sweet pot	5	15
Andaman	NICOBARS	2000	Whole Ye	Tapioca	40	169
Andaman	NICOBARS	2001	Kharif	Arecanut	1254	2061
Andaman	NICOBARS	2001	Kharif	Other Kha	2	1
Andaman	NICOBARS	2001	Kharif	Rice	83	300
Andaman	NICOBARS	2001	Whole Ye	Cashewnu	719	192
Andaman	NICOBARS	2001	Whole Ye	Coconut	18190	64430000
Andaman	NICOBARS	2001	Whole Ye	Dry ginger	46	100
Andaman	NICOBARS	2001	Whole Ye	Sugarcane	1	1
Andaman	NICOBARS	2001	Whole Ye	Sweet pot	11	33
Andaman	NICOBARS	2002	Kharif	Rice	189.2	510.84
Andaman	NICOBARS	2002	Whole Ye	Arecanut	1258	2083
Andaman	NICOBARS	2002	Whole Ye	Banana	213	1278
Andaman	NICOBARS	2002	Whole Ye	Black pep	63	13.5

This dataset consists of columns like State Name, District Name, Crop, Season, Crop year, Area and Production.

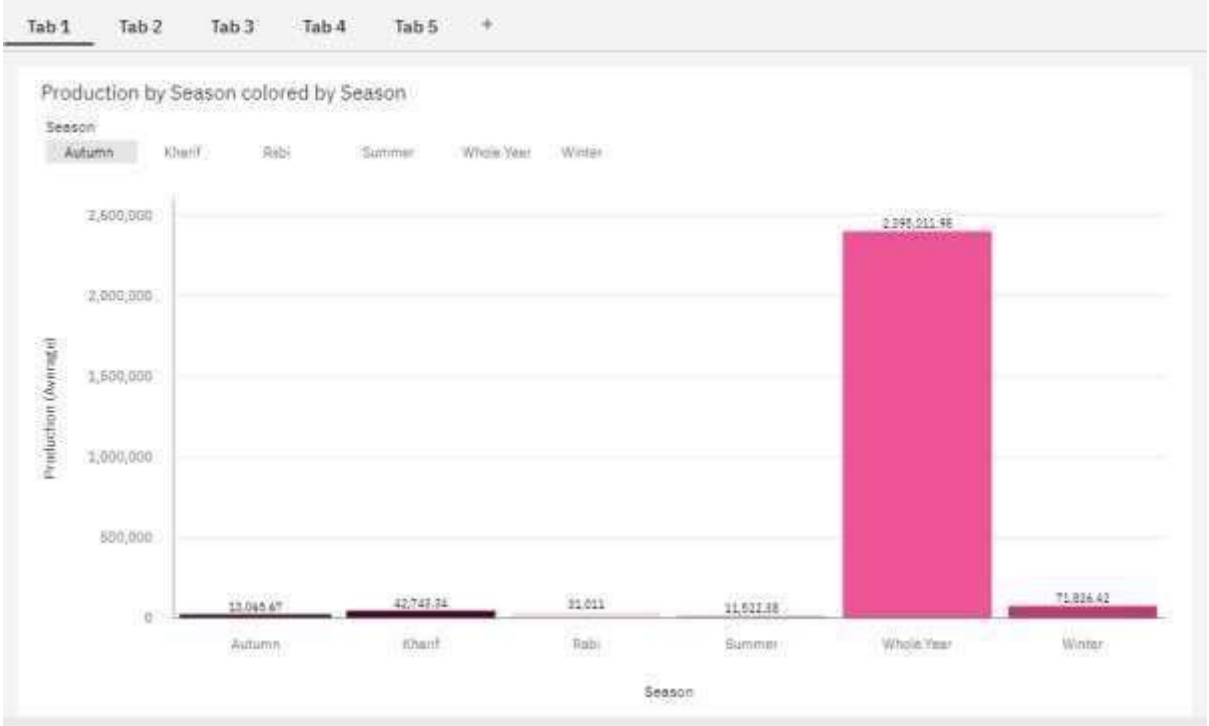
- Importing and cleaning the dataset in Google Colab platform,



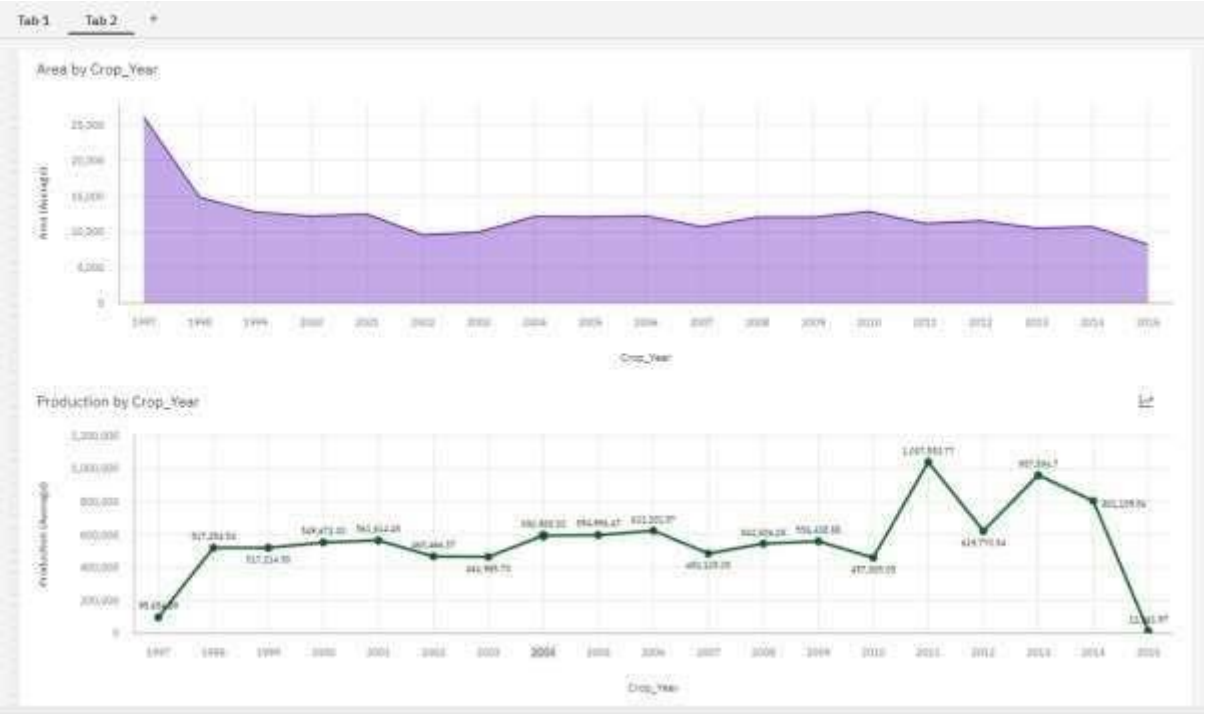


DATAVISUALIZATIONCHARTS:

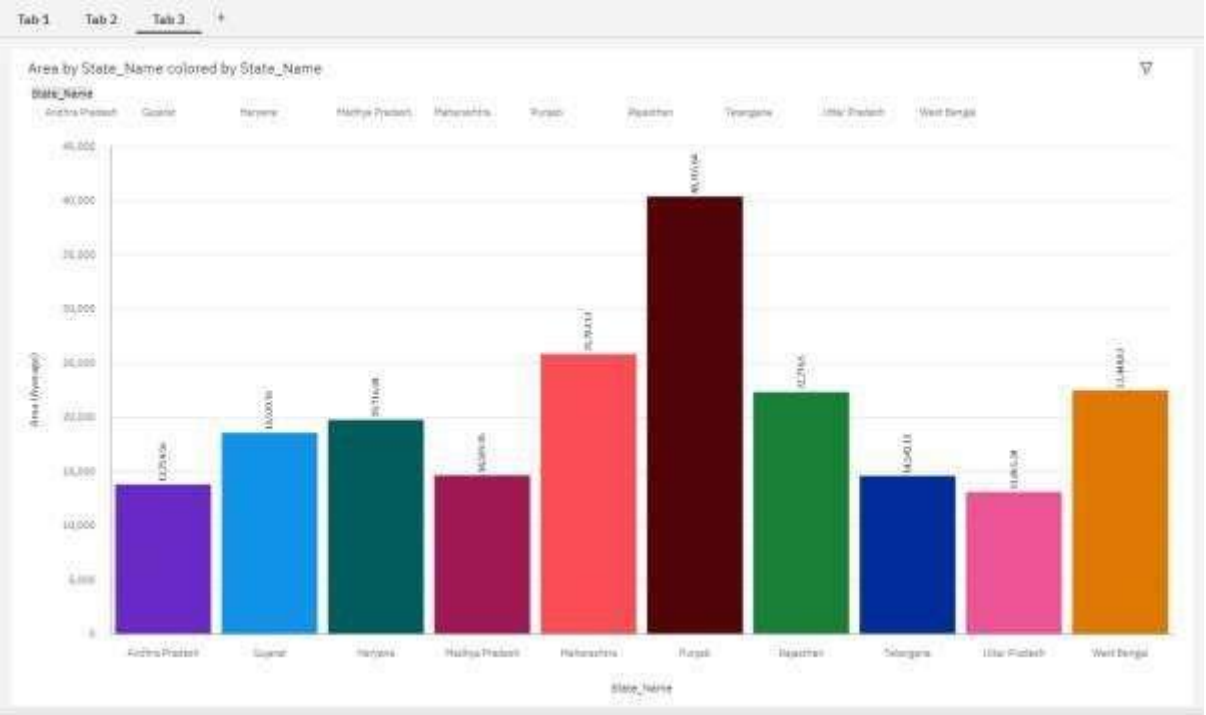
- Visualization on Seasons with average Production



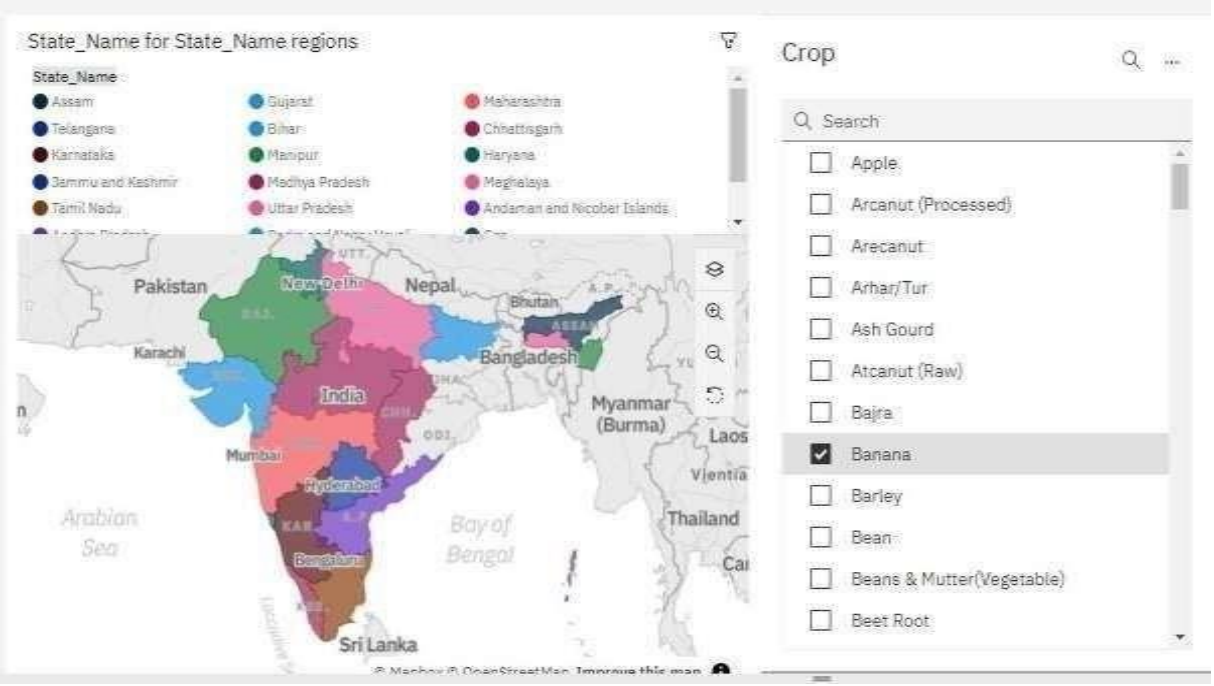
- Visualization with years usage of Area and Production



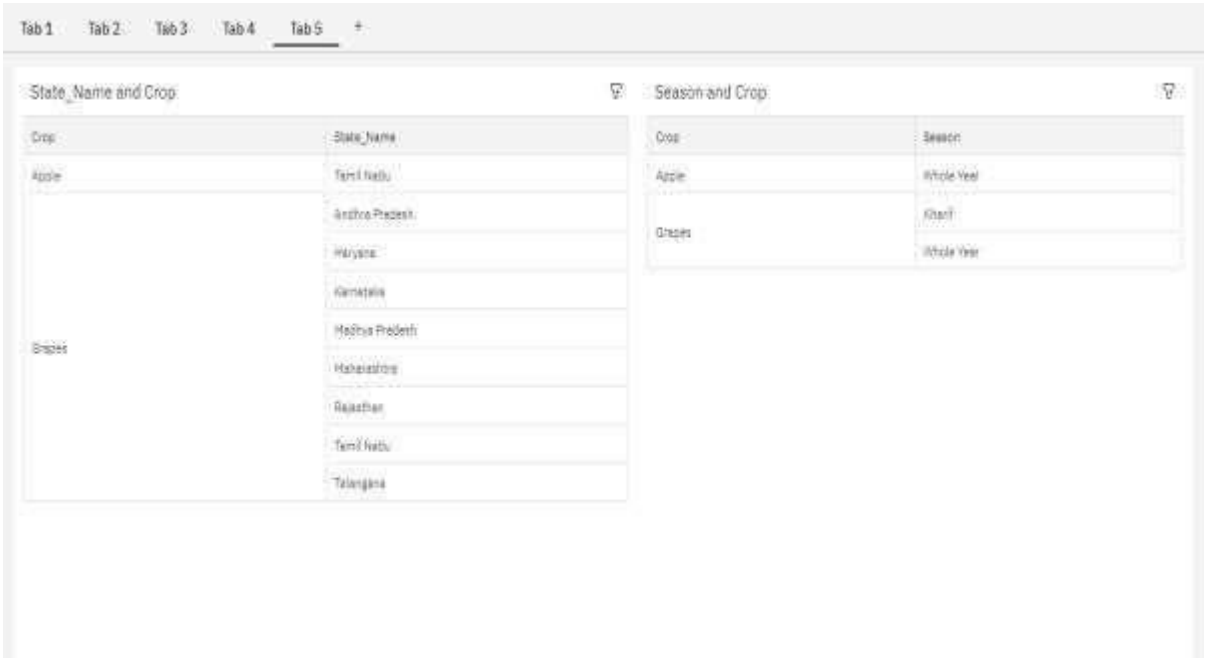
- Visualization on top 10 States with most Area



- Visualization on State with Crop Production



- Visualization on States with the Crop Production along with Season



The above visualizations are created using the COGNOS platform.