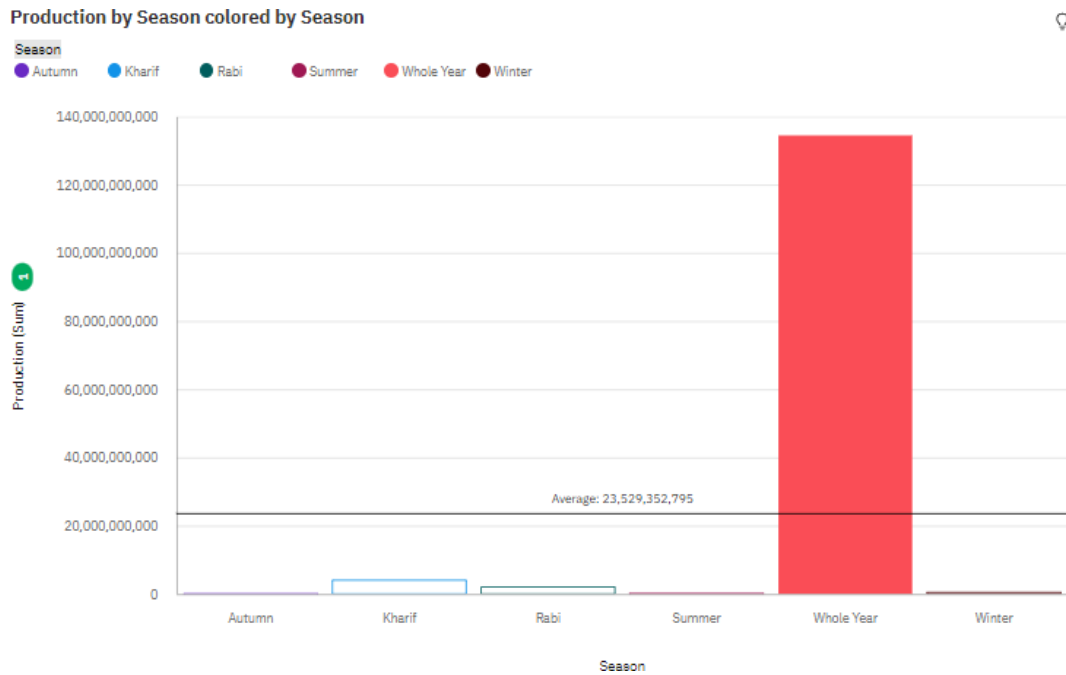


## DATA EXPLORATION

TEAM ID - PNT2022TMID02564

Explore the data's which is uploaded in the IBM cognos:

1) Seasons with average production:

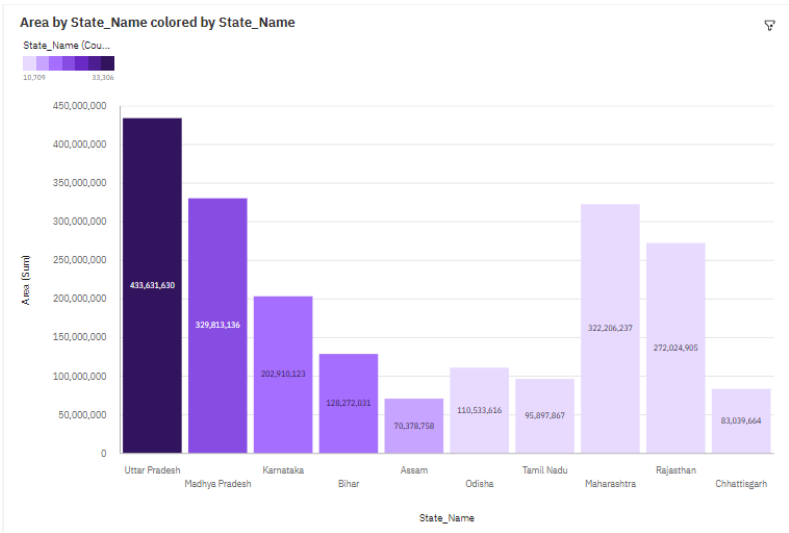


2) With years usage of area and production:

**Area and Production for Crop\_Year**

	Area	Production
1997	231,715,046	851,232,906
1998	166,988,082	5,825,320,640.4
1999	158,666,106	6,434,665,985.1
2000	165,297,477	7,449,709,127.1
2001	165,295,604.67	#####
2002	157,769,017.21	#####
2003	172,088,098.54	#####
2004	167,878,424.73	#####
2005	163,136,376.32	#####
2006	170,699,101.65	#####
2007	152,724,165.3	#####
2008	171,232,070	#####
2009	165,694,709	#####
2010	176,619,202.02	#####
2011	153,629,160.88	#####
2012	152,469,799	#####
2013	141,524,909.29	#####
2013		#####
Production:		12,903,588,632.88

3) Top 10 states with the most area.



4) States with crop production with seasons:

Production for Season, State_Name and Crop								
Production		Autumn	Kharif	Rabi	Summer	Whole Year	Winter	Summary
Andaman and Ni...	Arecanut	(no value)	14,500	5,800	(no value)	27,735.81	(no value)	48,035.81
	Arhar/Tur	(no value)	(no value)	104	(no value)	(no value)	(no value)	104
	Banana	(no value)	(no value)	(no value)	(no value)	97,424.65	(no value)	97,424.65
	Black pepper	(no value)	(no value)	120	(no value)	604.5	(no value)	724.5
	Cashewnut	(no value)	(no value)	310	(no value)	1,374.79	(no value)	1,684.79
	Coconut	(no value)	(no value)	(no value)	(no value)	717,790,000	(no value)	717,790,000
	Dry chillies	(no value)	(no value)	575	(no value)	3,443.3	(no value)	4,018.3
	Dry ginger	(no value)	(no value)	1,850	(no value)	10,825.6	(no value)	12,675.6
	Groundnut	(no value)	(no value)	14.4	(no value)	(no value)	(no value)	14.4
	Maize	(no value)	(no value)	367.62	(no value)	(no value)	(no value)	367.62
	Moong(Green Gr...	(no value)	(no value)	575.5	(no value)	(no value)	(no value)	575.5
	Other Kharif puls...	(no value)	649	(no value)	(no value)	(no value)	(no value)	649
	Rice	23,916	199,090.06	(no value)	(no value)	(no value)	(no value)	223,006.06
	Sugarcane	1,332.95	(no value)	(no value)	(no value)	29,305.72	(no value)	30,638.67
	Sunflower	(no value)	(no value)	2.4	(no value)	(no value)	(no value)	2.4
	Sweet potato	(no value)	(no value)	923	(no value)	2,142.35	(no value)	3,065.35

### Production for Season, State\_Name and Crop 1

Production		Autumn	Kharif	Rabi	Summer	Whole Year	Winter	Summary
Haryana	Peas & beans (P...	(no value)	(no value)	19,624	(no value)	(no value)	(no value)	19,624
	Potato	(no value)	(no value)	(no value)	(no value)	3,621,500	(no value)	3,621,500
	Rapeseed & Must...	(no value)	(no value)	10,803,800	(no value)	(no value)	(no value)	10,803,800
	Rice	(no value)	49,318,300	(no value)	(no value)	(no value)	(no value)	49,318,300
	Sannhamp	(no value)	29	(no value)	(no value)	1,800	(no value)	1,829
	Sesamum	(no value)	18,379	(no value)	(no value)	(no value)	(no value)	18,379
	Soyabean	(no value)	(no value)	(no value)	(no value)	(no value)	(no value)	(no value)
	Sugarcane	(no value)	(no value)	(no value)	(no value)	112,680,900	(no value)	112,680,900
	Sunflower	(no value)	18,900	146,500	(no value)	(no value)	(no value)	165,400
	Sweet potato	(no value)	(no value)	(no value)	(no value)	16,900	(no value)	16,900
	Tobacco	(no value)	(no value)	(no value)	(no value)	(no value)	(no value)	(no value)
	Turmeric	(no value)	(no value)	(no value)	(no value)	965	(no value)	965
	Urad	(no value)	11,318	(no value)	(no value)	(no value)	(no value)	11,318
	Wheat	(no value)	(no value)	158,647,000	(no value)	(no value)	(no value)	158,647,000
	other oilseeds	(no value)	(no value)	(no value)	(no value)	(no value)	(no value)	(no value)
	Summary	(no value)	88,593,481	173,272,098	(no value)	119,408,311	(no value)	381,273,890
	Arhar/Tur	(no value)	591	(no value)	(no value)	(no value)	(no value)	591

### 5) States with crop production:

