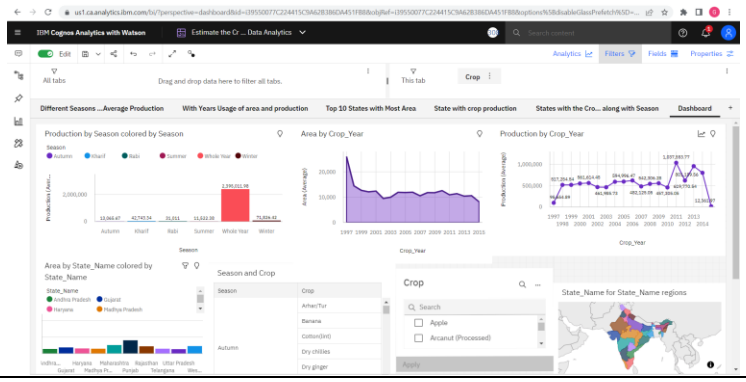
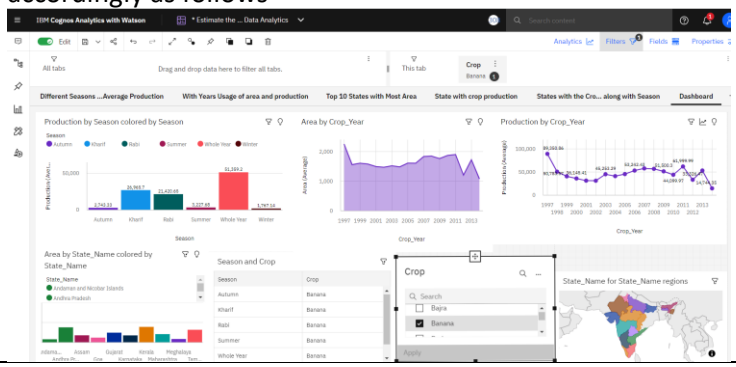
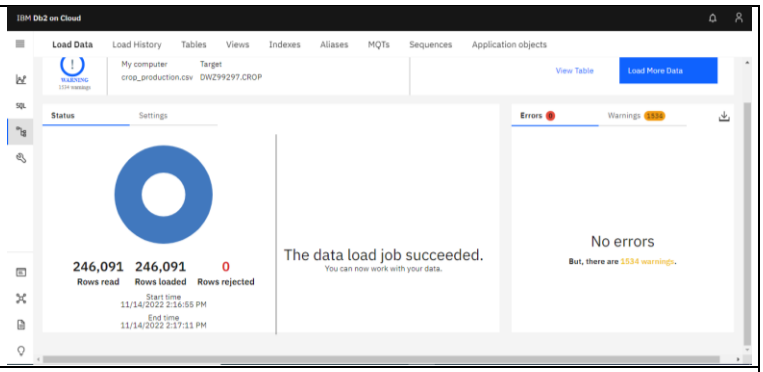
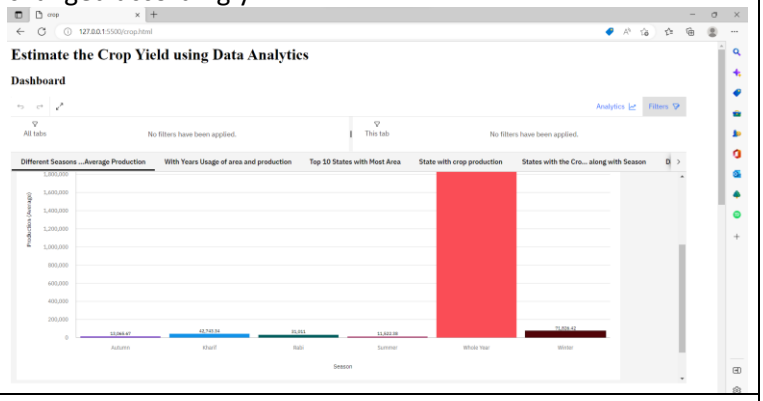
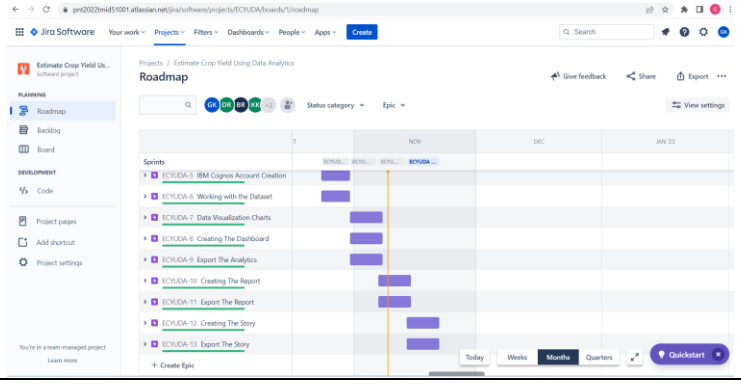
Project Development Phase
Model Performance Test

Date	16 November 2022
Team ID	PNT2022TMID51001
Project Name	Estimate The Crop Yield Using Data Analytics
Maximum Marks	10 Marks

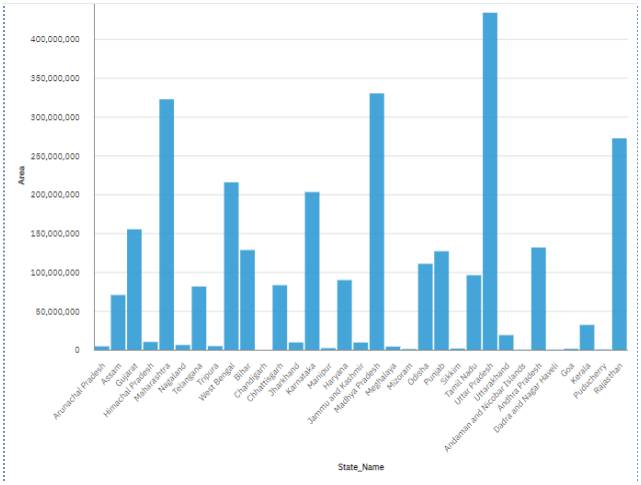
Model Performance Testing:

Project team shall fill the following information in model performance testing template.

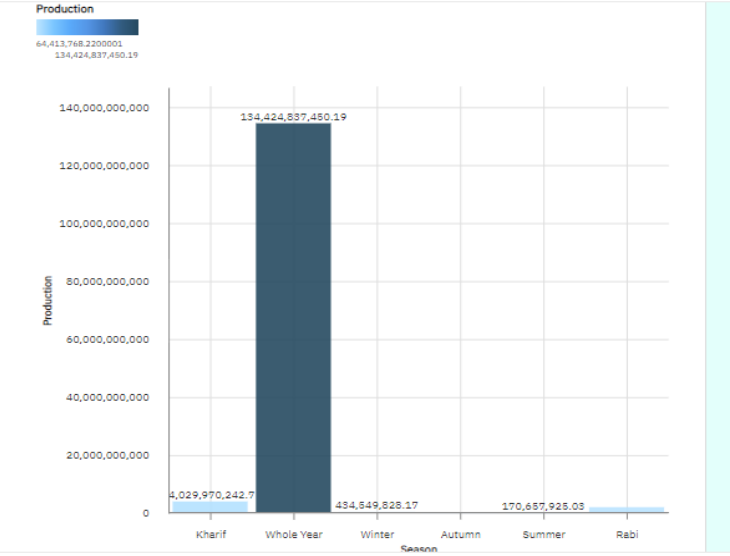
S.No.	Parameter	Screenshot / Values
1.	Dashboard design	No of Visualizations / Graphs – 5 
2.	Data Responsiveness	A canvas is provided with the dashboard when a particular crop is selected, the visualizations change accordingly. In this case, we have chose banana and the visualizations change accordingly as follows 

3.	Amount Data to Rendered (DB2 Metrics)	
4.	Utilization of Data Filters	Filters are provided with every visualization and it can be changed accordingly. 
5.	Effective User Story	No of Scene Added – 15 user story scenes were added and are completed successfully. 
6.	Descriptive Reports	No of Visualizations / Graphs – 6

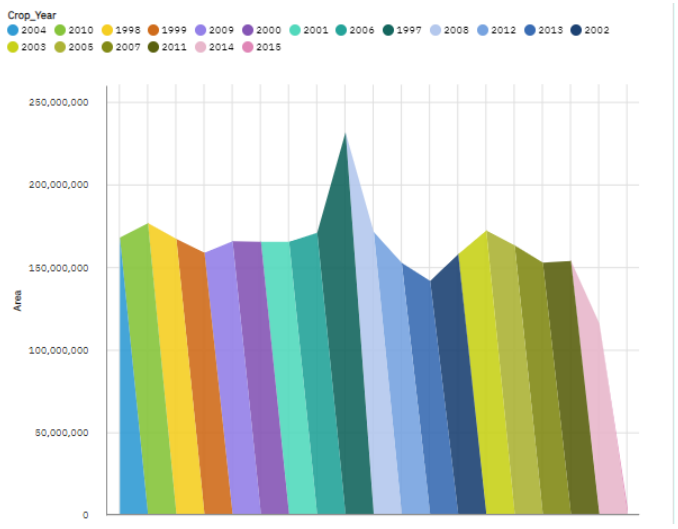
States with area of production:



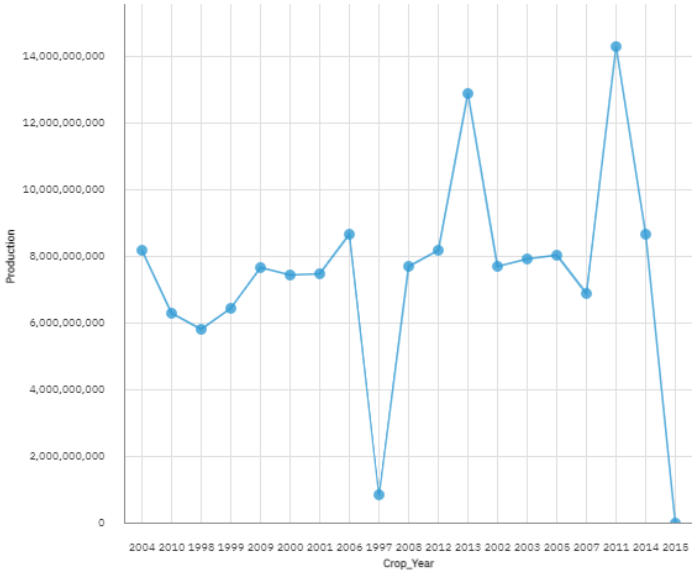
Seasons with productions:



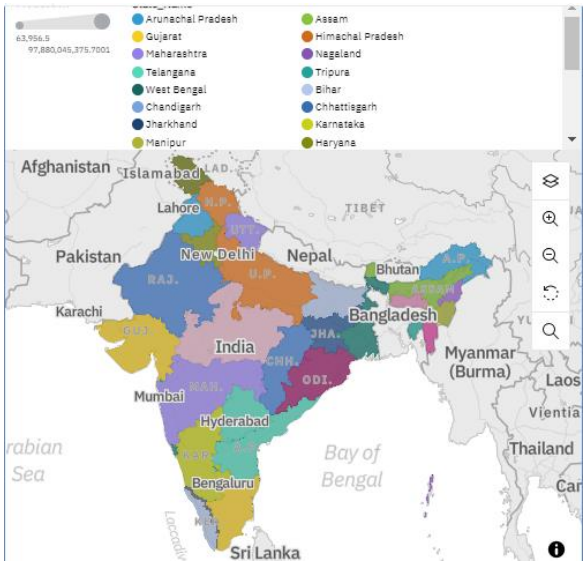
With years usage of area:



With years usage of production:



States with crop production:



State with crop production along with seasons:

Production	Rabi	Autumn	Summer	Whole Year	Kharif	Winter
Andhra Pradesh	98,156,193			17,026,098,049	200,336,054	
Assam	8,404,649	8,230,196	17,171,024	1,996,667,293	15,782,850	65,495,747
Bihar	103,402,165	23,622,936	15,679,752	124,903,630	31,029,656.66	67,845,457
Chhattisgarh	9,228,963.01		1,494	1,946,226	89,775,225	
Gujarat	51,737,400		12,268,700	283,969,858	176,315,379	
Haryana	173,272,098			119,408,311	88,593,481	
Himachal Pradesh	6,723,873			947,088.1	10,134,207.5	
Jammu and Kashmir	4,124,447.7			96,323.2	9,070,244.8	
Jharkhand	1,609,846.66	1,923,687.84		91,369.88	32,220.12	7,120,617.25
Karnataka	43,860,390.2		19,552,520	624,988,842.21	175,028,059.27	
Kerala		3,442,449.33	2,093,790.53	97,869,331,257.1701	120,672.95	5,057,205.72
Madhya Pradesh	191,648,533.66			90,948,638.07	166,243,566.93	
Maharashtra	70,912,135.5	19,695	2,957,812	653,287,157	536,463,806.7	
Manipur	18,910	244,230	28,600	1,111,195	3,619,792	208,190
Meghalaya	725,401	525,139	358,352	4,378,228	4,723,682	1,401,694
Mizoram	67,405.53			406,907	1,187,227.3	