

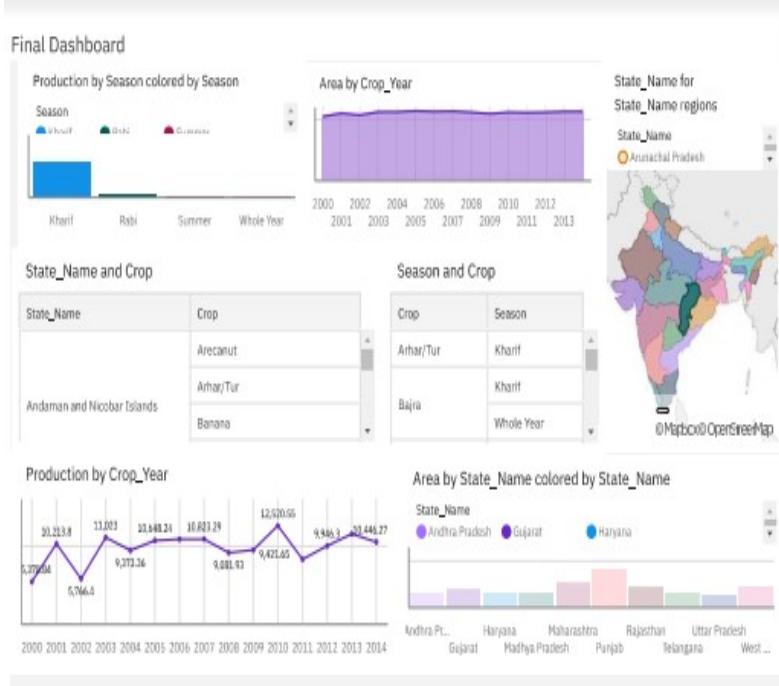
Project Development Phase

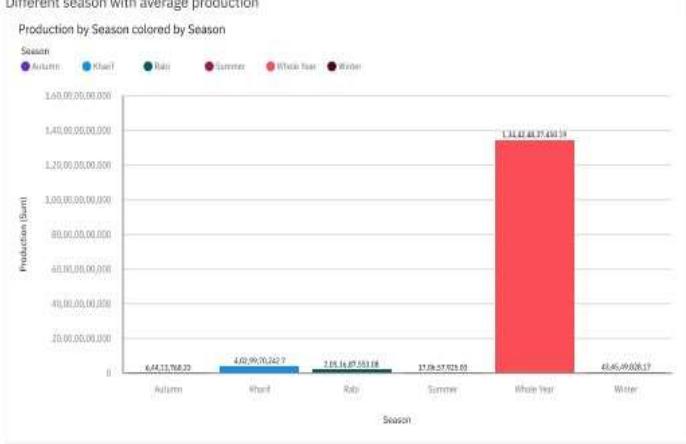
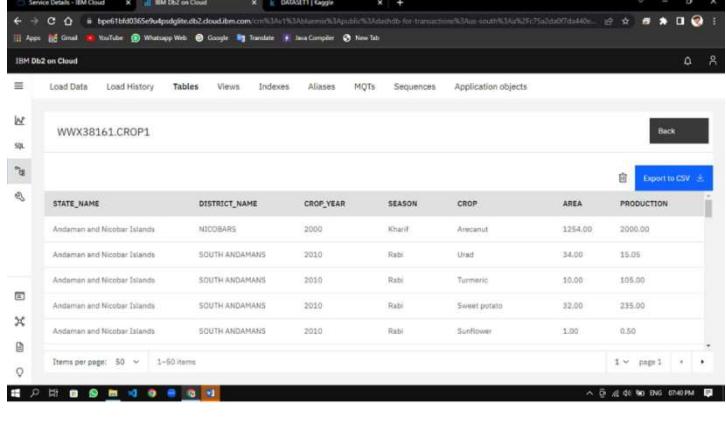
Model Performance Test

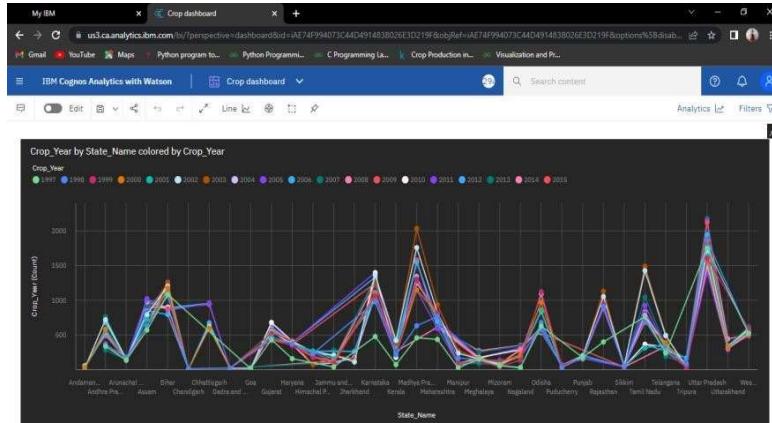
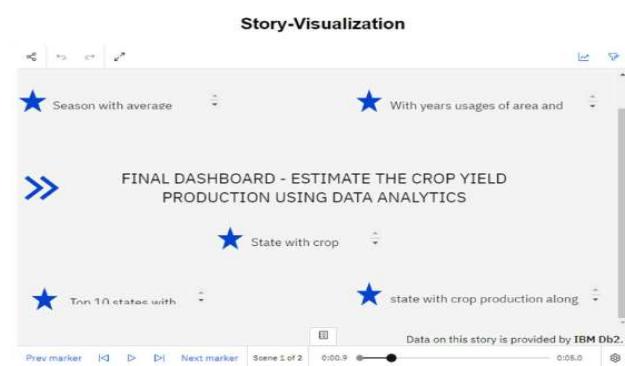
Date	17 November 2022
Team ID	PNT2022TMID13713
Project Name	Project – Estimated the Crop Yield Using Data Analytics
Maximum Marks	10 Marks

Model Performance Testing:

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

S.No.	Parameter	Screenshot / Values
1.	Dashboard design	<p>Dashboard consist of 5 graphs . it will be described in single page</p>  <p>The dashboard displays various agricultural data across India. It includes a seasonal production chart, a crop area chart from 2000 to 2013, a map of India with state-wise crop distribution, and two tables showing the relationship between states and crops. Below these are two line charts showing production and area trends over time from 2000 to 2014.</p>

2.	Data Responsiveness	<p>Data will dynamically change if the dataset changes and graphs too changes.</p>  <table border="1"> <thead> <tr> <th>Season</th> <th>Production (Bn)</th> </tr> </thead> <tbody> <tr> <td>Autumn</td> <td>0.02</td> </tr> <tr> <td>Kharif</td> <td>0.02</td> </tr> <tr> <td>Rabi</td> <td>0.02</td> </tr> <tr> <td>Summary</td> <td>0.02</td> </tr> <tr> <td>Whole Year</td> <td>1.34</td> </tr> <tr> <td>Winter</td> <td>0.02</td> </tr> </tbody> </table>	Season	Production (Bn)	Autumn	0.02	Kharif	0.02	Rabi	0.02	Summary	0.02	Whole Year	1.34	Winter	0.02																												
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3.	Amount Data to Rendered (DB2 Metrics)	<p>Instead of using DB2 Metrics we used cognos analytics.</p>  <table border="1"> <thead> <tr> <th>STATE_NAME</th> <th>DISTRICT_NAME</th> <th>CROP_YEAR</th> <th>SEASON</th> <th>CROP</th> <th>AREA</th> <th>PRODUCTION</th> </tr> </thead> <tbody> <tr> <td>Andaman and Nicobar Islands</td> <td>NICOBARS</td> <td>2000</td> <td>Kharif</td> <td>Arecanut</td> <td>1254.00</td> <td>2000.00</td> </tr> <tr> <td>Andaman and Nicobar Islands</td> <td>SOUTH ANDAMANS</td> <td>2010</td> <td>Rabi</td> <td>Urad</td> <td>34.00</td> <td>15.05</td> </tr> <tr> <td>Andaman and Nicobar Islands</td> <td>SOUTH ANDAMANS</td> <td>2010</td> <td>Rabi</td> <td>Turmeric</td> <td>10.00</td> <td>105.00</td> </tr> <tr> <td>Andaman and Nicobar Islands</td> <td>SOUTH ANDAMANS</td> <td>2010</td> <td>Rabi</td> <td>Sweet potato</td> <td>32.00</td> <td>235.00</td> </tr> <tr> <td>Andaman and Nicobar Islands</td> <td>SOUTH ANDAMANS</td> <td>2010</td> <td>Rabi</td> <td>Sunflower</td> <td>1.00</td> <td>0.50</td> </tr> </tbody> </table>	STATE_NAME	DISTRICT_NAME	CROP_YEAR	SEASON	CROP	AREA	PRODUCTION	Andaman and Nicobar Islands	NICOBARS	2000	Kharif	Arecanut	1254.00	2000.00	Andaman and Nicobar Islands	SOUTH ANDAMANS	2010	Rabi	Urad	34.00	15.05	Andaman and Nicobar Islands	SOUTH ANDAMANS	2010	Rabi	Turmeric	10.00	105.00	Andaman and Nicobar Islands	SOUTH ANDAMANS	2010	Rabi	Sweet potato	32.00	235.00	Andaman and Nicobar Islands	SOUTH ANDAMANS	2010	Rabi	Sunflower	1.00	0.50
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4.	Utilization of Data Filters	<p>Data filters was used to find the top most of the data in form of visualization.</p> 
5.	Effective User Story	<p>Our project story with simple UI desgin model.</p> 

6.	Descriptive Reports	<p>Created 1 report with 3 graphs.</p> <p style="text-align: center;">Report-Final</p> <div style="display: flex; justify-content: space-between;"><div style="width: 45%;"><p>State wise with production</p><table border="1"><thead><tr><th>State Name</th><th>Production (approx.)</th></tr></thead><tbody><tr><td>Maharashtra</td><td>1,00,00,00,00,000</td></tr><tr><td>Bihar</td><td>10,00,00,00,000</td></tr><tr><td>Madhya Pradesh</td><td>5,00,00,00,000</td></tr><tr><td>Others</td><td>< 1,00,00,00,000</td></tr></tbody></table></div><div style="width: 45%;"><p>State wise crop</p><p>State Name</p><ul style="list-style-type: none">Andaman and Nicobar IslandsArunchal PradeshBiharChandigarhChhattisgarhDelhi and Nagar HaveliGujaratHaryanaJammu and KashmirJharkhandOdishaUttaranchal PradeshUttarakhandUttar PradeshWest Bengal</div></div>	State Name	Production (approx.)	Maharashtra	1,00,00,00,00,000	Bihar	10,00,00,00,000	Madhya Pradesh	5,00,00,00,000	Others	< 1,00,00,00,000
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