# Report

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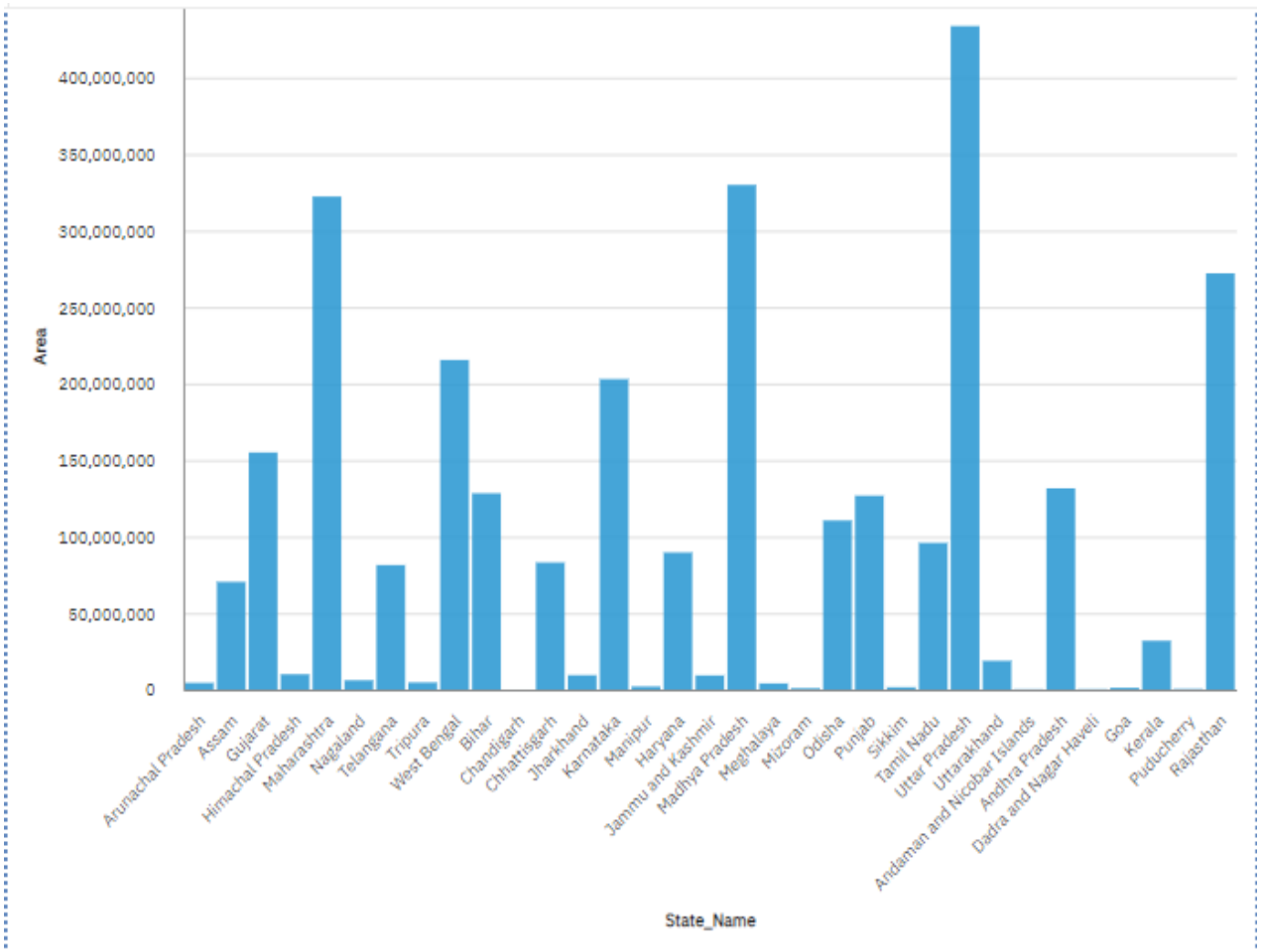
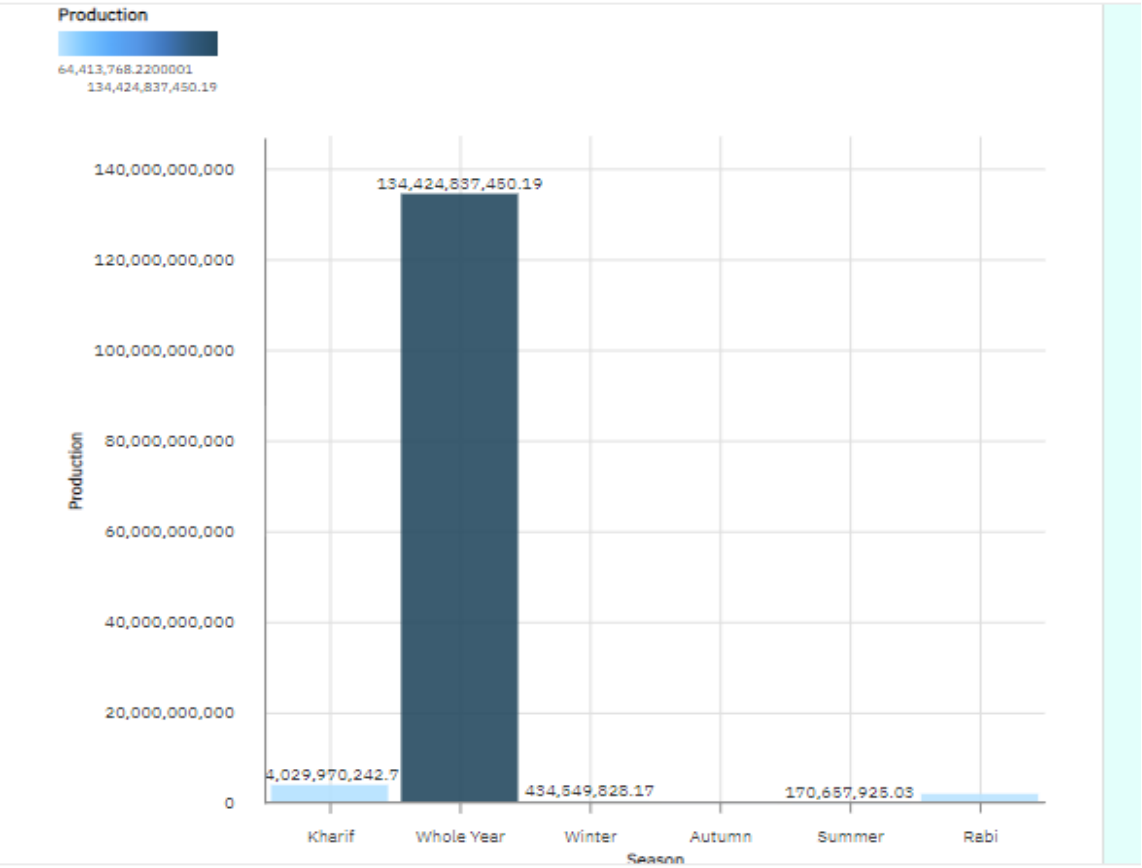
|---|---|
| **Date** | **19 November 2022** |
| **Team ID** | **PNT2022TMID51001** |
| **Project Name** | **Project - Estimate The Crop Yield Using Data Analytics** |

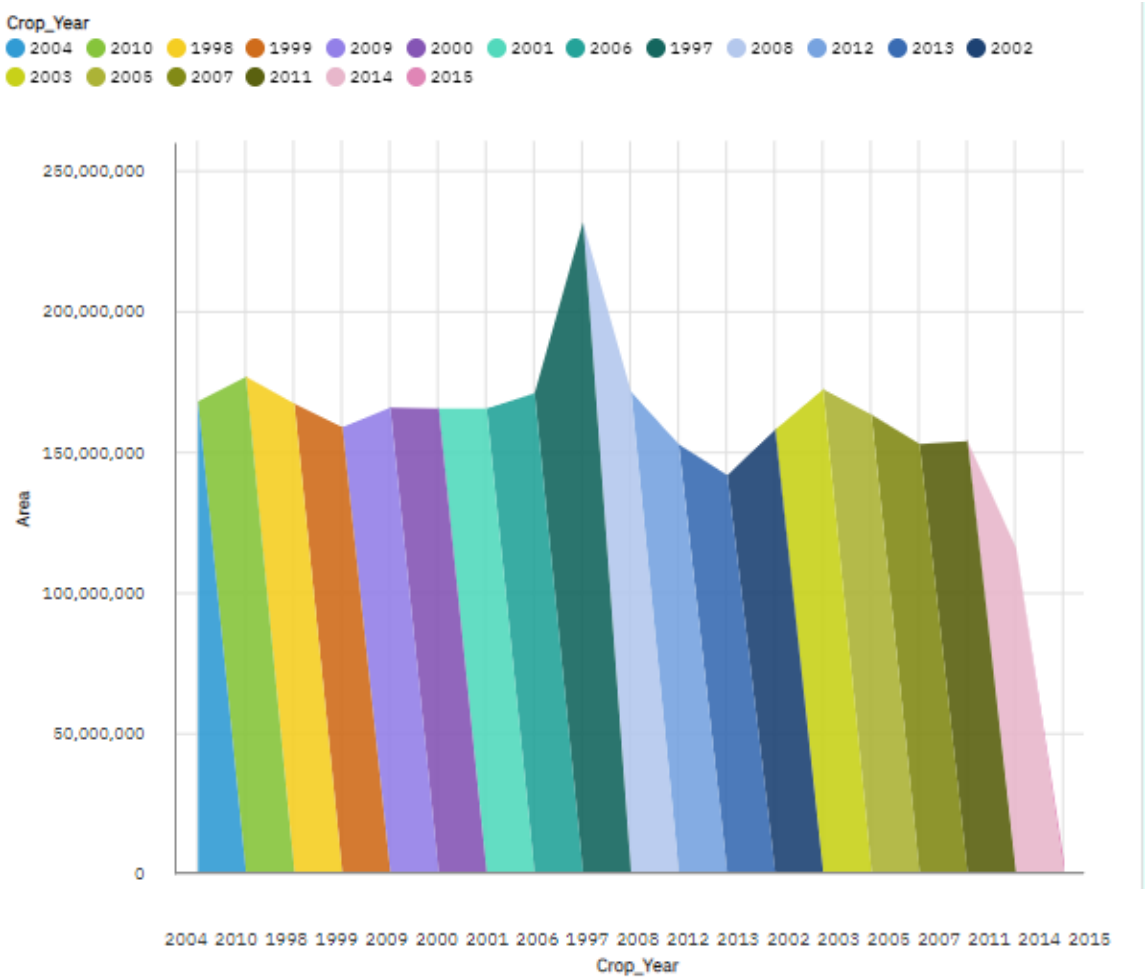
States with area of production



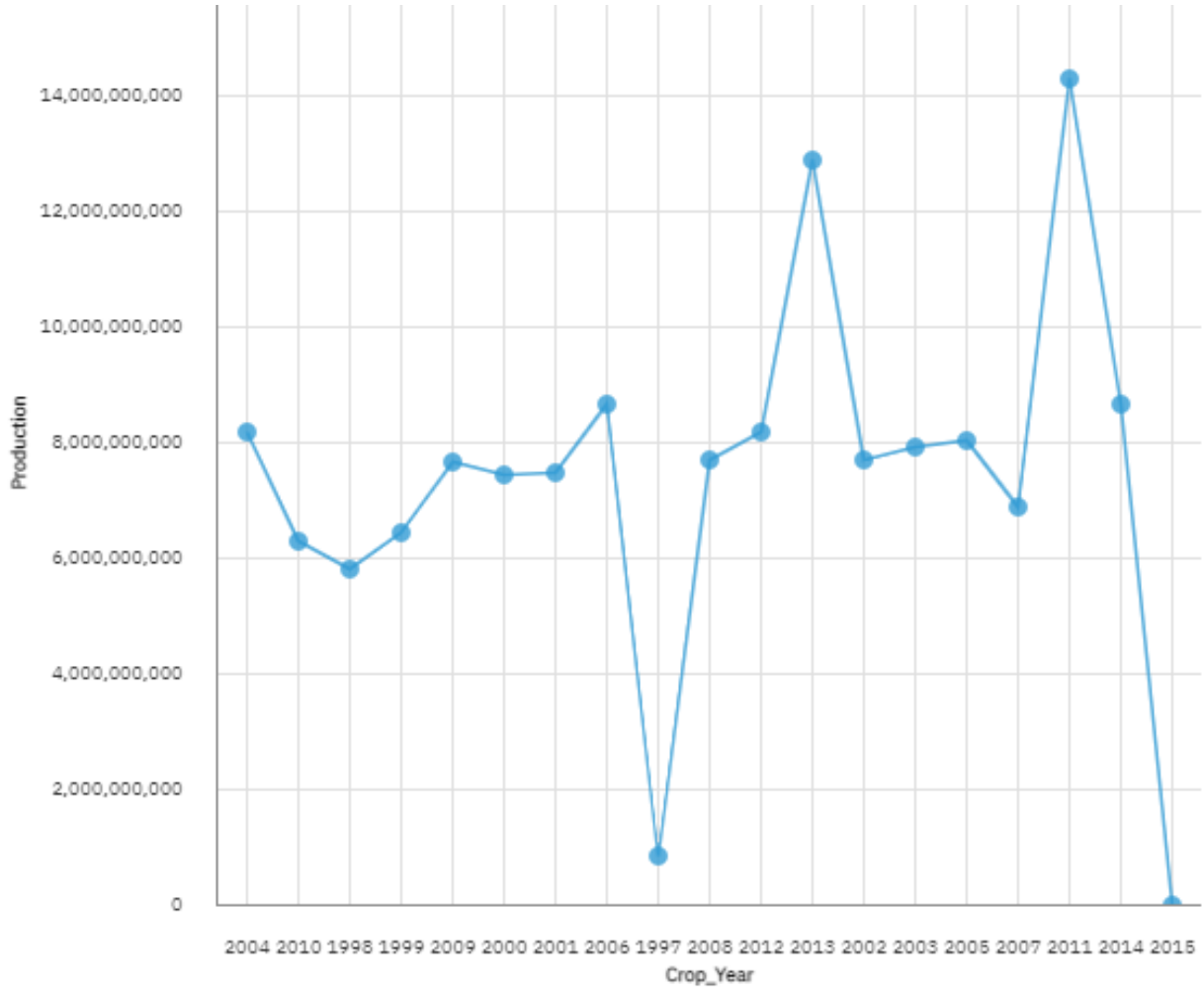
## Seasons with productions



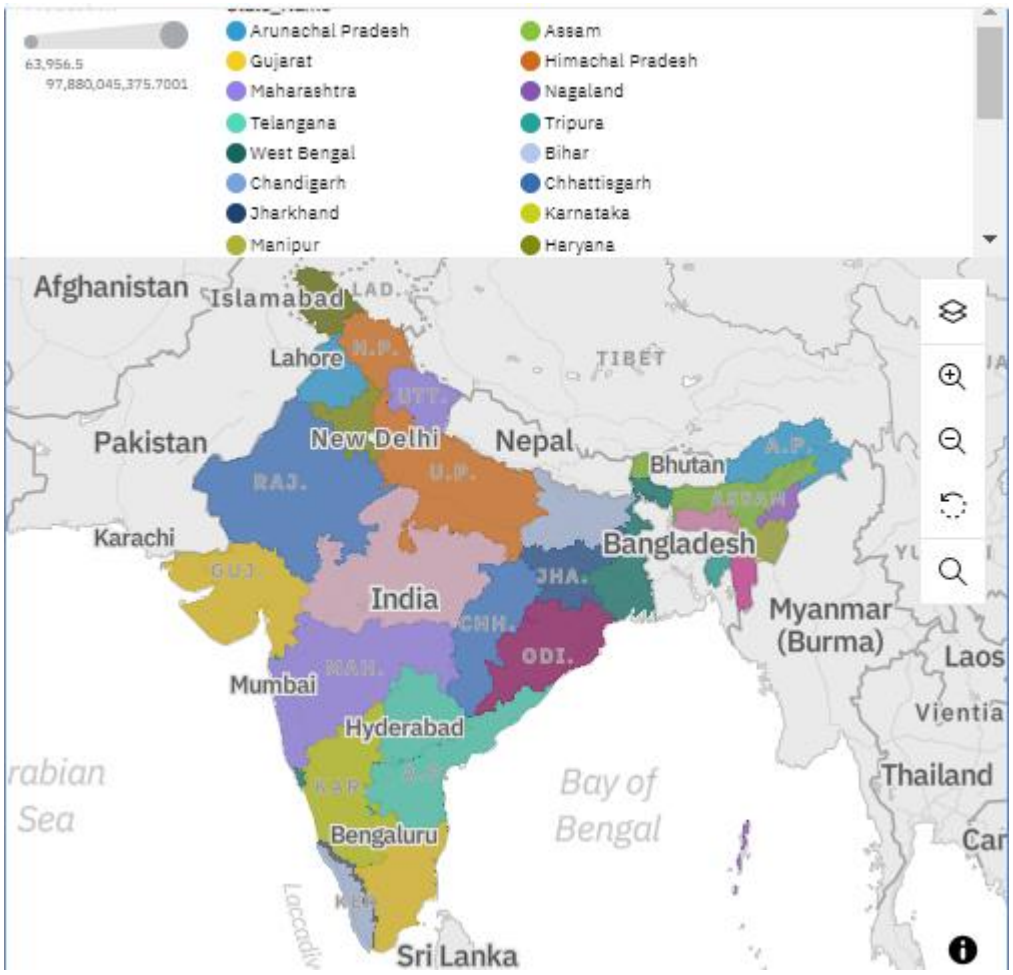

## With years usage of area



With years usage of area and 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 | |

**Summary:**

- A report is generated using IBM cognos analytics which contains the visualization charts for analysis of crop production in different aspects
- This  is done by creating a data module and uploading the crop production dataset to it.
- Then that data module is selected as a source for our report and the template we used here is 2 by 3 active report.
- Attributes like state name, area, seasons, crops, crop year were selected as fields for the above charts.

**Report link:**

https://us3.ca.analytics.ibm.com/bi/?pathRef=.my_folders%2Fdata%2Bmodules%2Freport&action=run&format=HTML&prompt=false