

## Project Development - Delivery Of Sprint-3 Story

|                     |  |
|---------------------|--|
| <b>Date</b>         | 14 November 2022                             |
| <b>Team ID</b>      | PNT2022TMID42779                             |
| <b>Project Name</b> | Estimate The Crop Yield Using Data Analytics |

- Story can help you inform and engage you audience.
- We can use stories in IBM COGNOS ANALYTICS to create scenes that visualizes our data and to tell a narrative.
- A story is a type of view.
- A story is composed of a set of scenes that are displayed in sequences over time.
- Stories can be used to provide our data with a visual narrative.
- Effective data story telling can also:
  - Help businesses learn about its audience wants and needs.
  - Eliminate the risk exposures to unknown processes.



# Crop production

- Seasons With Average Productions
- With Years Usage Of Area And Production
- Top 10 States With Most Area
- State With Crop Production
- States With The Crop Production Along With Season

### Seasons With Average Productions

**With Years Usage Of Area And Production**

### Top 10 States With Most Area

### State With Crop Production

### States With The Crop Production Along With Season



### Seasons With Average Productions

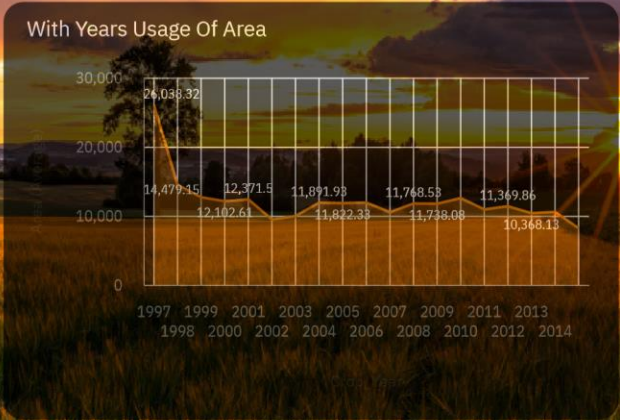
| Season     | Average Productions |
|------------|---------------------|
| Autumn     | 13,065.67           |
| Kharif     | 42,743.34           |
| Rabi       | 31,011              |
| Summer     | 11,522.38           |
| Whole Year | 2,395,011.98        |
| Winter     | 71,826.42           |



Whole year production is good and shows better production

### With Years Usage Of Area

| Year | Usage     |
|------|-----------|
| 1997 | 26,038.32 |
| 1998 | 14,479.15 |
| 1999 | 12,102.61 |
| 2000 | 12,371.5  |
| 2001 | 11,842.33 |
| 2002 | 11,842.33 |
| 2003 | 11,842.33 |
| 2004 | 11,842.33 |
| 2005 | 11,842.33 |
| 2006 | 11,842.33 |
| 2007 | 11,748.53 |
| 2008 | 11,748.53 |
| 2009 | 11,748.53 |
| 2010 | 11,748.53 |
| 2011 | 11,349.86 |
| 2012 | 10,368.15 |
| 2013 | 10,368.15 |
| 2014 | 10,368.15 |

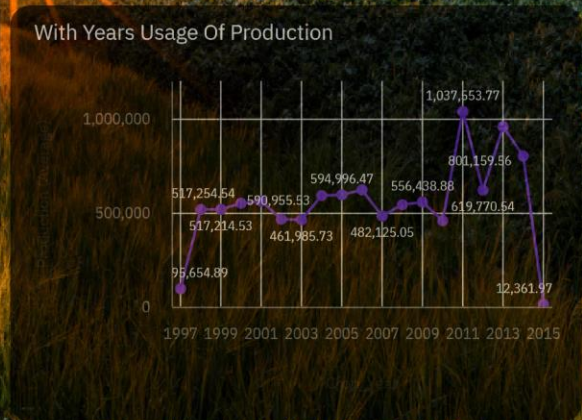


In 1997 is area of production is high

### With Years Usage Of Production

The graph displays the number of years of production usage over time. The Y-axis represents the number of years, ranging from 0 to 1,000,000. The X-axis represents the years from 1997 to 2015. The data points are as follows:

| Year | Years Usage |
|------|-------------|
| 1997 | 95,654.89   |
| 1998 | 517,254.54  |
| 1999 | 517,214.53  |
| 2000 | 590,955.93  |
| 2001 | 461,985.73  |
| 2002 | 594,996.47  |
| 2003 | 482,125.05  |
| 2004 | 556,438.88  |
| 2005 | 619,770.54  |
| 2006 | 1,037       |
| 2007 | 553.77      |
| 2008 | 801,159.36  |
| 2009 | 12,361.97   |



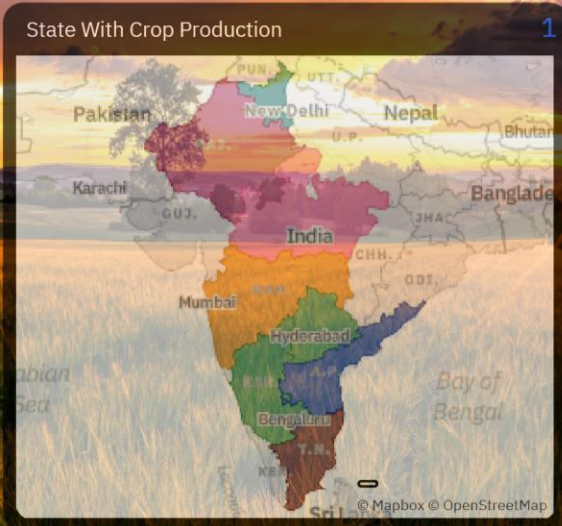
In 2011 the production is reach at high



### Top 10 States With Most Area



It can shows the top 10 states production



It can shows the state with crop production by using filters

| State_Name     | Crop   | Crop_Year |
|----------------|--------|-----------|
| Andhra Pradesh | Grapes | 2002      |
|                |        | 2003      |
|                |        | 2012      |
|                |        | 2013      |
|                |        | 2014      |
| Haryana        | Grapes | 2002      |
|                |        | 2003      |
| Karnataka      | Grapes | 2002      |
|                |        | 2003      |

| State_Name     | Crop   | Crop_Year |
|----------------|--------|-----------|
| Andhra Pradesh | Grapes | 2002      |
|                |        | 2003      |
|                |        | 2012      |
|                |        | 2013      |
|                |        | 2014      |
| Haryana        | Grapes | 2002      |
|                |        | 2003      |
| Karnataka      | Grapes | 2002      |
|                |        | 2003      |

### States With The Crop Production Along With Season

**Filter(s) applied to the visualization(s) on the previous page:**

**Widget 1**

Crop Includes: Grapes

**Widget 2**

Crop Includes: Ash Gourd, Grapes