



# **ESTIMATION OF CROP YIELD USING DATA ANALYTICS**

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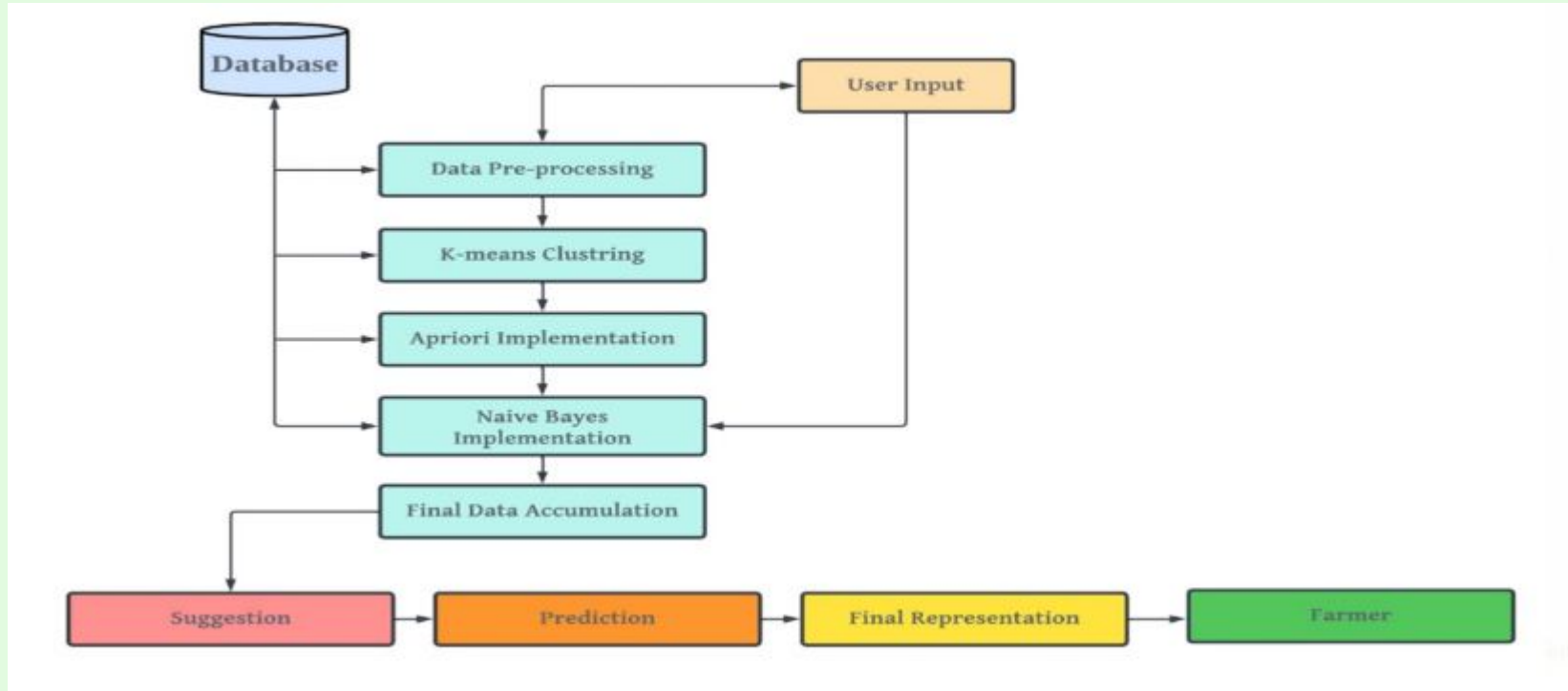
# PROBLEM STATEMENT

- To create a dashboard and perform analysis of crop production in India using IBM Cognos analytics platform.
- Crop production in India is one of the most important sources of income and India is one of the top countries to produce crops.
- As per this project we will be analyzing some important visualization, creating a dashboard and by going through these we will get most of the insights of Crop production in India.

# PROPOSED SOLUTION

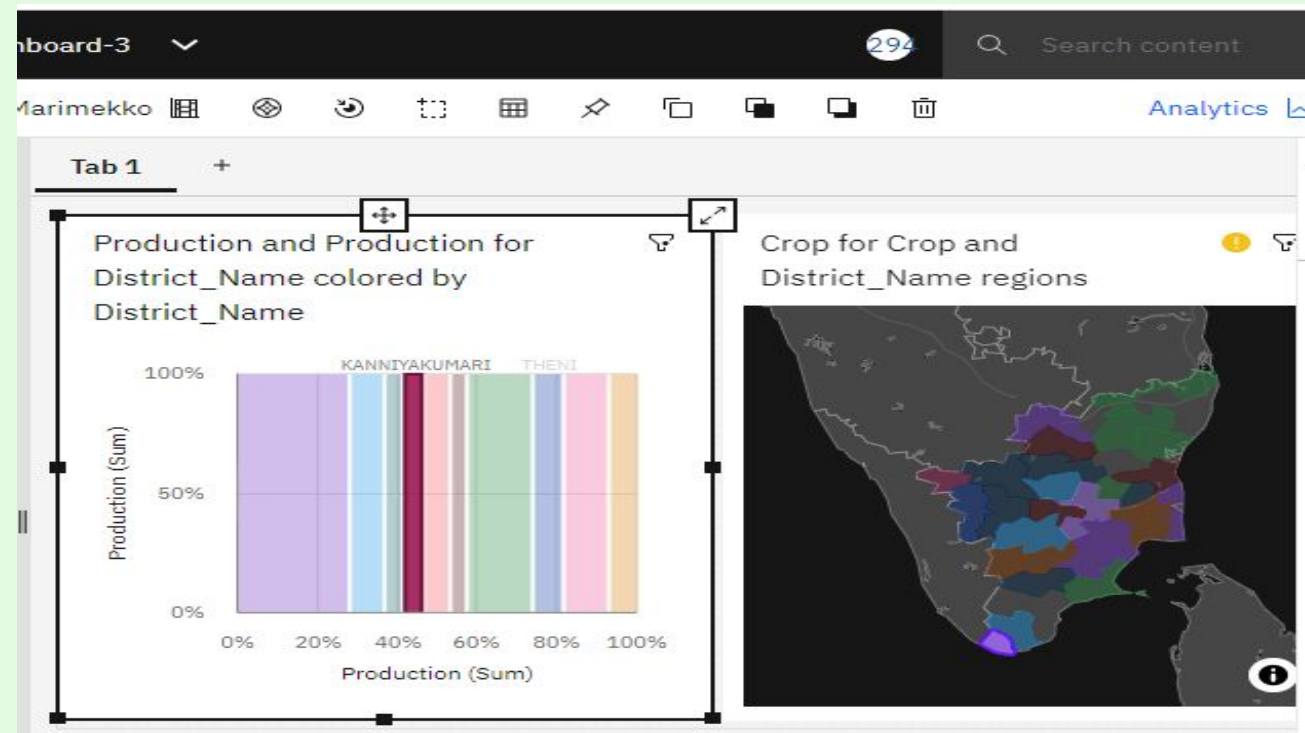
- Idea / Solution description
- Novelty / Uniqueness
- Social Impact / Customer Satisfaction
- Business Model (Revenue Model)
- Scalability of the Solution

# TECHNICAL ARCHITECTURE

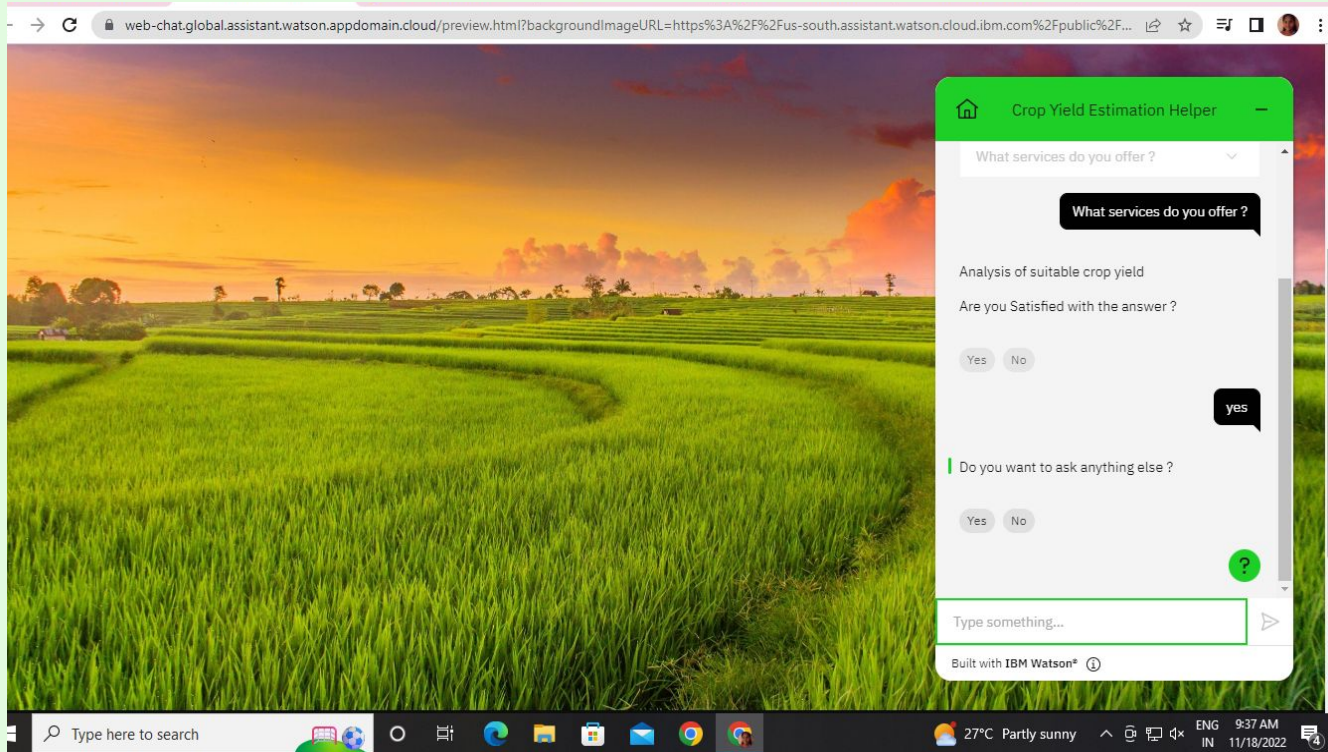


# FEATURES

## 1.Responsive dashboard



## 2.Chatbot





### 3.Customer feedback

›rms/d/e/1FAIpQLScnhHB8yYQjX4S-LNh5XHwlekoGAuU4YwRPs5HW-fqBJWQUVw/viewform



## Customer Feedback

We would love to hear your thoughts or feedback on how we can improve your experience!

gayathrishanmugam126@gmail.com [Switch account](#)

 Draft saved

\* Required

Email \*

abc@gmail.com

Name \*

Farmer

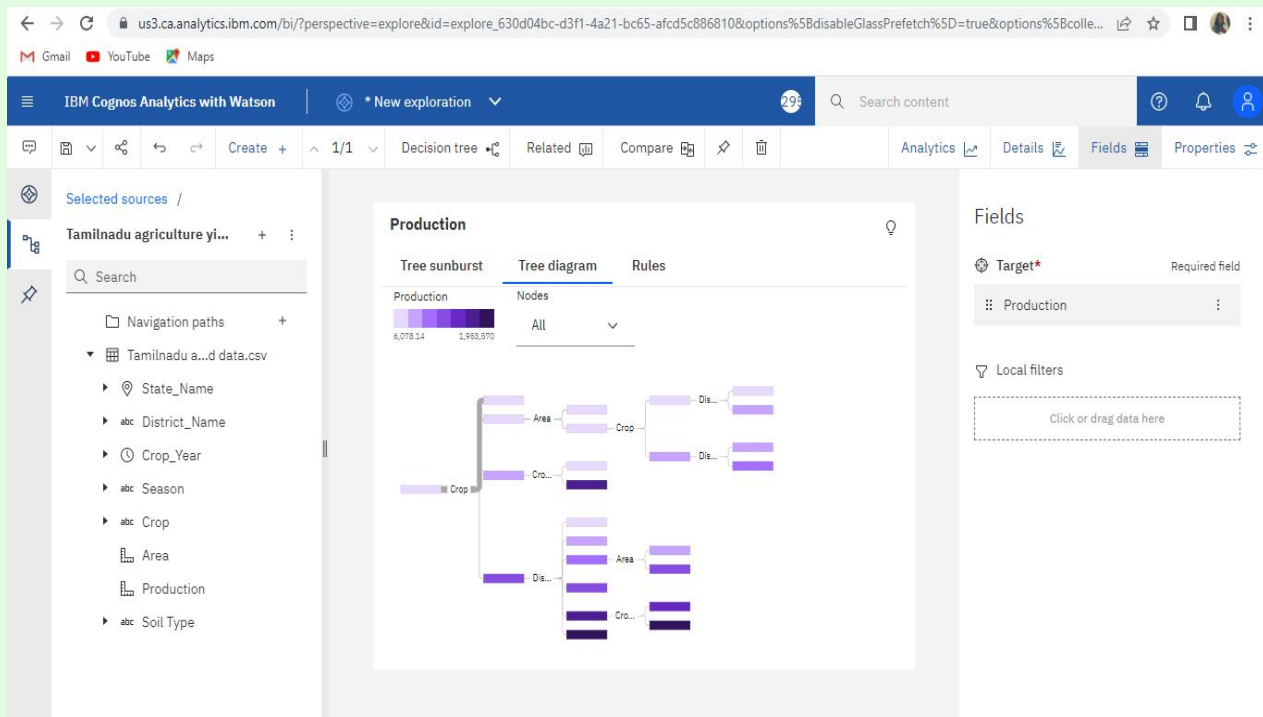


## WORKING DEMO

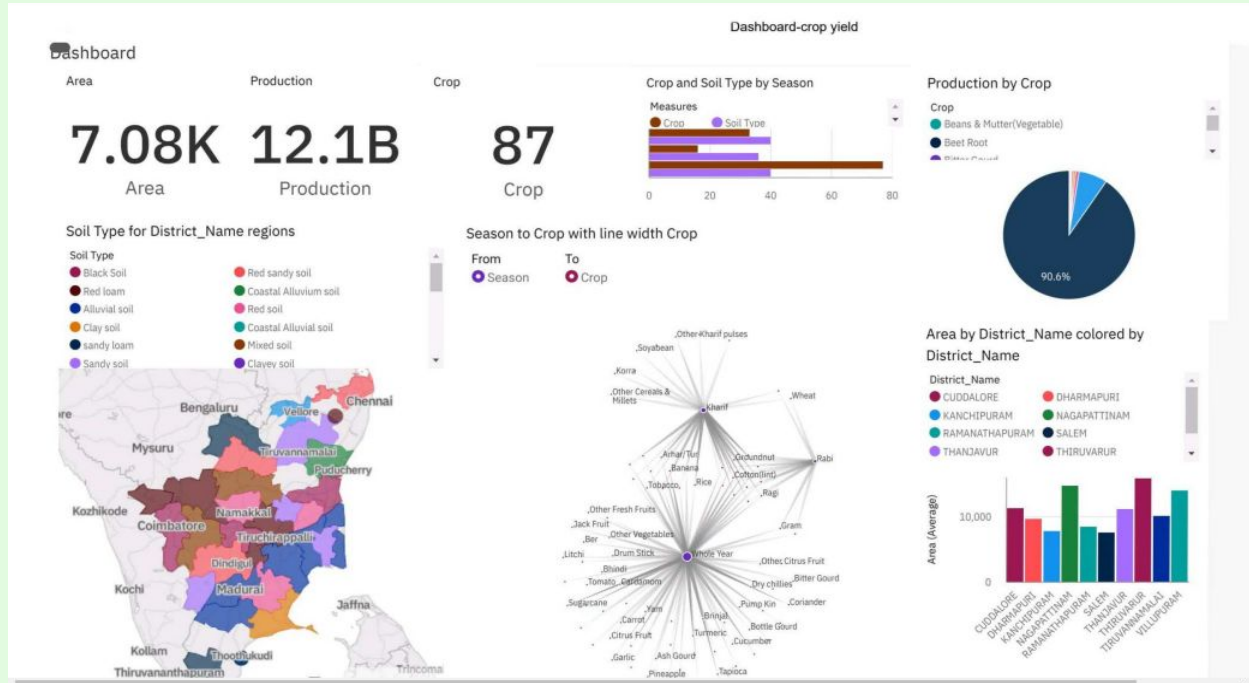
<https://crophyieldestinationanalysis.web.app/>

## PERFORMANCE METRICS

## 1. DATA EXPLORATION:



## 2. DASHBOARD:



# FUTURE SCOPE

- Predict appropriate crop and maximum yield in the climate change.
- Collection of data, Analysis of it and modification of the algorithm.
- Find the percentage yield to happen from the match given percentage in terms of percentage error.
- A farmer can micromanage farming and all its accompanying activities — even before planting crops, it's feasible to estimate the results by tweaking the variables involved.



**THANK YOU**