PROJECT REPORT

1 INTORDUCTION

1.1 OVERVIEW

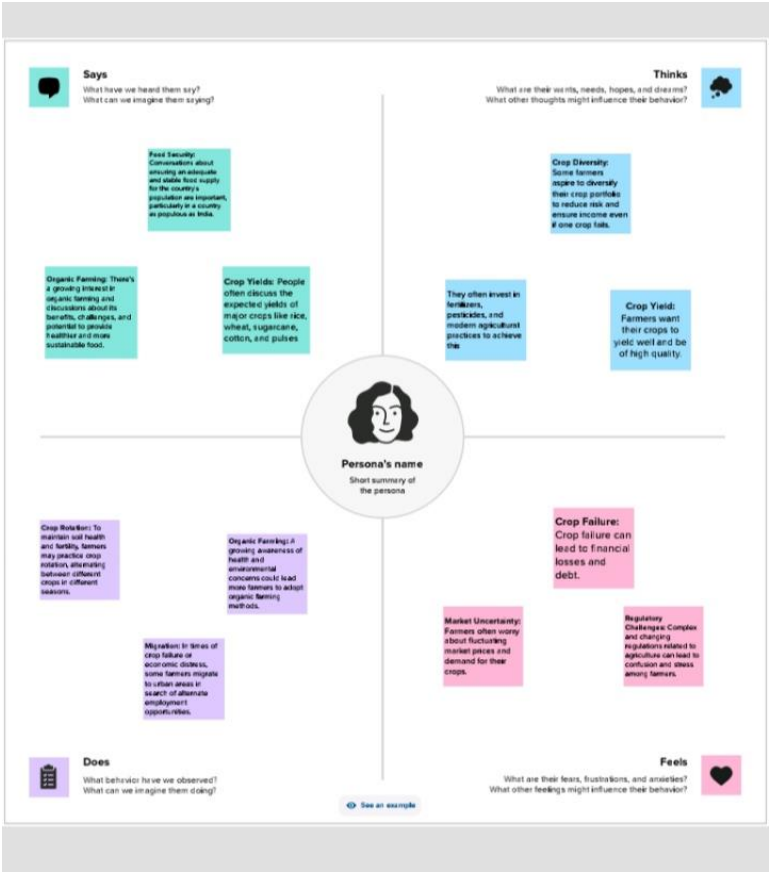
In this project, we make the analysis of Data set of Indian Agricultural Crop Production . It had a lot of state's details and we interpreted it, with the help of the Tableau from the given two different types of Data sets.

1.2 PURPOSE

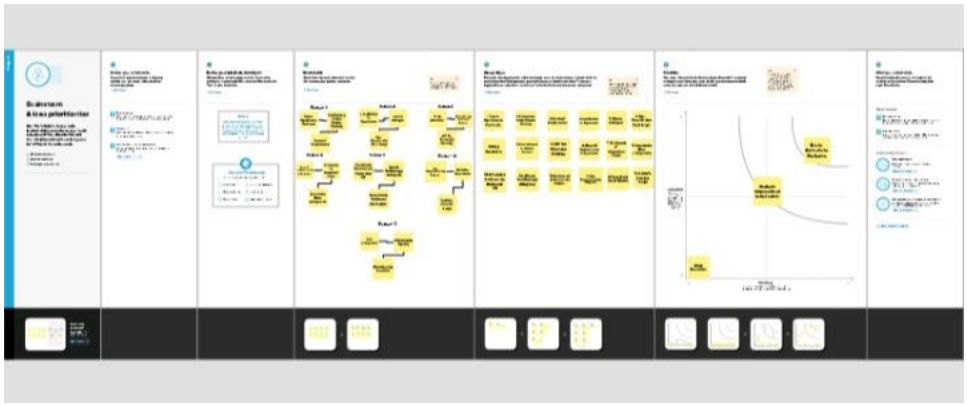
To check whether the improvements of the Agricultural developments of different types of states in a particular year. We used the Piechart and Barchart for making the analysis of the certain Dataset (i.e) Sales, Areas etc., in various types of spread sheets in the Tableau website.

2 PROBLEM DEFINITION & DESIGN THINKING

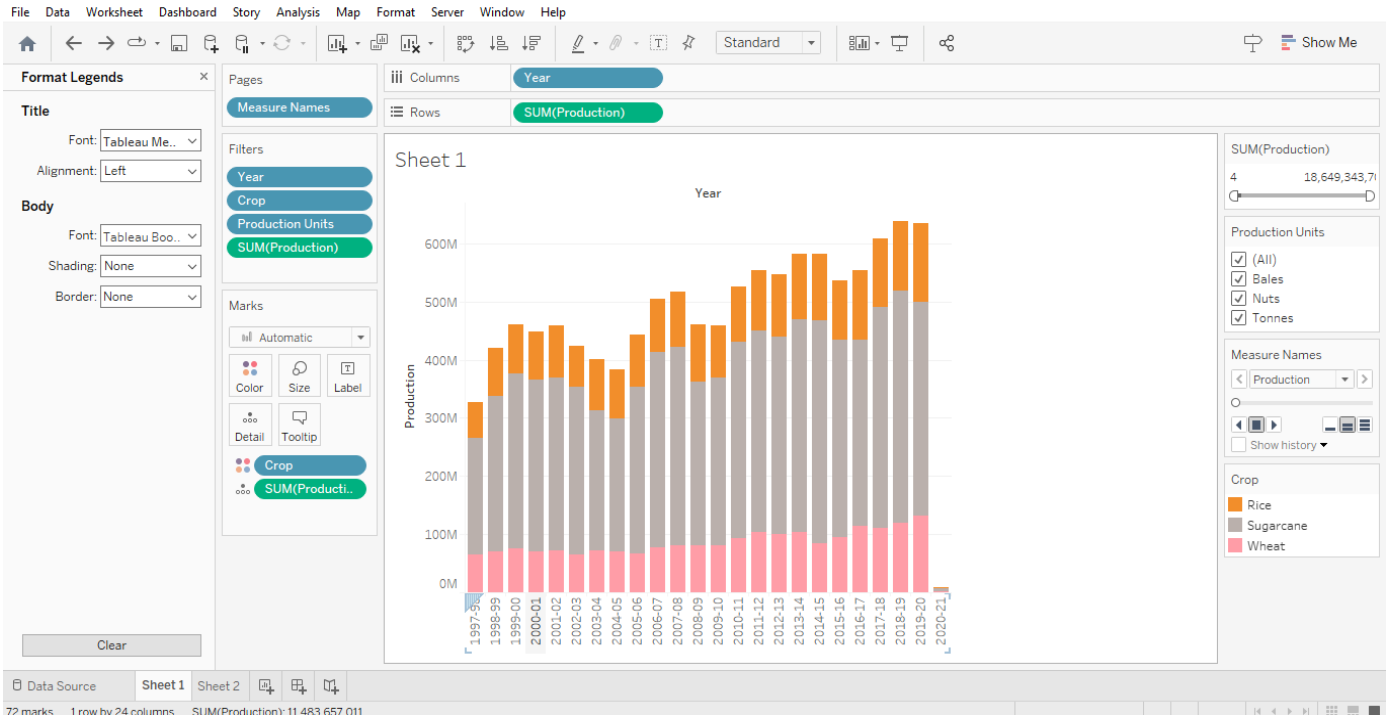
2.1 EMPATHY MAP

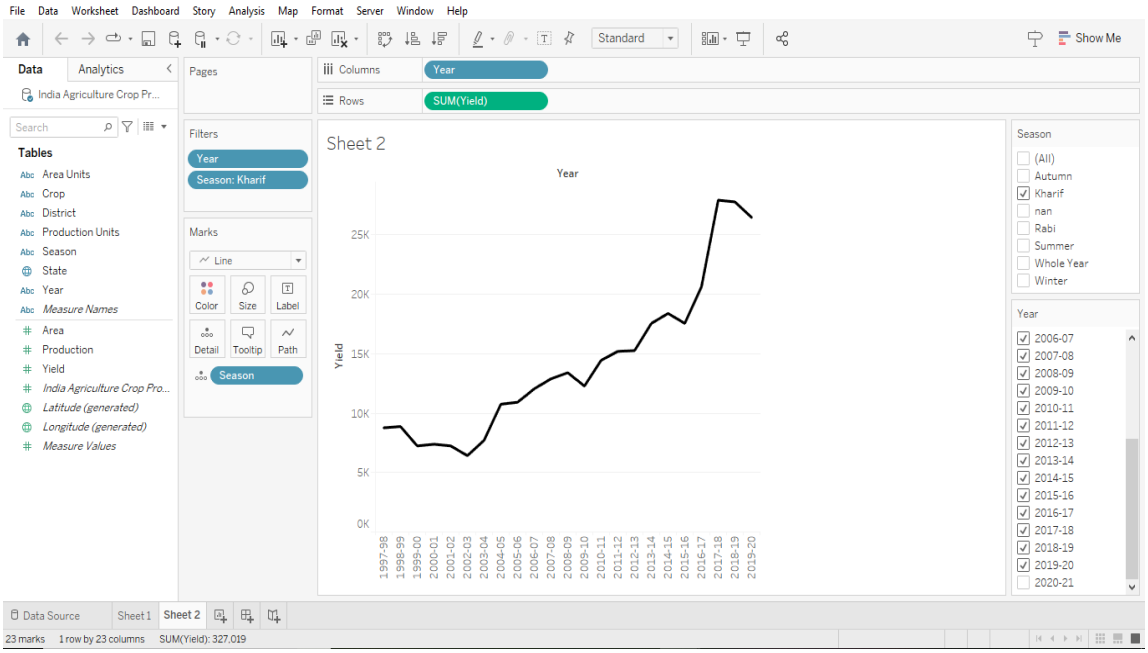


2.2 IDEATION & BRAINSTROMING MAP



3 RESULT





4 ADVANTAGES & DISADVANTAGES

ADVANTAGES :

Millions of rows of data can be handled with efficiency via Tableau. Large amounts of data can be used to generate a variety of visualizations without compromising the dashboards' performance. Additionally, Tableau has a feature that allows users to create “live” connections to other data sources, such as SQL, etc.

Building dashboards with Tableau allows even non-technical users to create interactive, real-time visualizations in minutes. In just a few clicks, they can combine data sources, add filters, and drill down into specific information.

Data visualization is one of the most important capabilities of any business intelligence (BI) and analytics solution. It helps people translate complex data into a visual context, like a chart or a graph, identify trends numbers alone can't easily reveal, and discover hidden patterns in your dashboard.

As the market-leading choice for modern business intelligence, our analytics platform makes it easier for people to explore and manage data, and faster to discover and share insights that can change businesses and the world.

DISADVANTAGES :

- Poor Versioning. ...
- No Automatic Refreshing of Reports: ...
- Need Manual Effort: ...
- Not a Comprehensive Solution. ...
- No Version Control: ...
- SQL Knowledge.

5 APPLICATIONS

It helps users create different charts, graphs, maps, dashboards, and stories for visualizing and analyzing data, to help in making business decisions. Tableau has a lot of unique, exciting features that make it one of the most popular tools in business intelligence (BI)

Tableau can handle large volumes of data quickly. It is faster and provides extensive features for visualizing the data. Tableau doesn't limit the number of data points in visualization or enforce row or size limitations, giving you a 360-degree view of your data.

Business stakeholders commonly use Tableau to see standard KPI reporting for marketing, sales, and customer success. Especially since Salesforce Data Cloud brought Tableau's visualizations into the greater fold of their Customer 360 Platform, it's a staple for teams who need quick access to departmental metrics.

People learn faster. Tableau is built on the work of scientific research to make analysis faster, easier, and more intuitive. Analyzing data in a quick, iterative way that provides immediate feedback makes our products engaging, fun, and easy to learn.

Tableau Software (/tæbˈloʊ/ tab-LOH) is an American interactive data visualization software company focused on business

6 CONCLUSION

Tableau is a powerful data visualization tool that can help businesses make better-informed decisions. With its ability to connect to a wide variety of data sources, create interactive visualizations, and perform advanced analytics, Tableau empowers users to gain insights and drive growth.

Good data visualization should communicate a data set clearly and effectively by using graphics. The best visualizations make it easy to comprehend data at a glance.

Though the dataset is complex or the dataset is very big, in tableau, we can create dashboards very easily and within less time.

7 FUTURE SCPOPE

A person with knowledge of Tableau can get many roles like data analyst, business analyst, and Tableau consultant. Further, in Business Intelligence, one can get roles like Business Intelligence Analyst, Business Intelligence Developer, and Business Intelligence Manager, all of which are highly paying roles.

Tableau developers have a range of job titles to choose from – computer architect, business intelligence developer, business objects developer, data analyst, etc. Once you become a certified professional in Tableau from a reputable institute, your options are endless.