Project Title	Environmental Analytics
Technologies	Business Intelligence
Domain	Agriculture
Project Difficulties level	Intermediate

Problem Statement:

The Agriculture business domain, as a vital part of the overall supply chain, is expected to highly evolve in the upcoming years via the developments, which are taking place on the side of the Future Internet. This paper presents a novel Business-to-Business collaboration platform from the agri-food sector perspective, which aims to facilitate the collaboration of numerous stakeholders belonging to associated business domains, in an effective and flexible manner.

This Dataset can solve the problems of various crops Cultivation/production in India.

Attribute Information: crop:string, crop name Variety:string,crop subsidiary name state: string,Crops Cultivation/production Place Quantity:Integer,no of Quintals/Hectares production:Integer,no of years Production Season:DateTime,medium(no of days),long(no of days) Unit:String , Tons Cost:Integer, cost of cultivation and Production Recommended Zone:String ,place(State,Mandal,Village)

Find key metrics and factors and show the meaningful relationships between attributes.

Do your own research and come up with your findings

Dataset:

agriculture 1.csv

agriculture 2.csv

agriculture 3.csv

agriculture 4.csv

produce.csv

Datasets are available in zip files. Google Drive links have been shared below:

Click here to enter text.

https://drive.google.com/drive/folders/1M5z7z1NmWar7y1eFs67orfjqHL0iSViL?usp=sharing

Approaches:

Python, R, Tableau, Power BI or you can use any tools and techniques as per your convenience. We would appreciate your valid imagination in finding solutions

Project Evaluation metrics:

Code: As per the requirements

- You are supposed to write a code in a modular fashion
- Safe: It can be used without causing harm.
- Testable: It can be tested at the code level.
- Maintainable: It can be maintained, even as your codebase grows.
- Portable: It works the same in every environment (operating system)
- You have to maintain your code on GitHub.
- You have to keep your GitHub repo public so that anyone can check your code.
- Proper readme file you have to maintain for any project development.
- You should include basic workflow and execution of the entire project in the readme file on GitHub
- Follow the coding standards: https://www.python.org/dev/peps/pep-0008/

Database:

- You are supposed to use a given dataset for this project.

https://drive.google.com/drive/folders/1M5z7z1NmWar7y1eFs67orfjqHL0iSViL?usp=sharing

Submission requirements:

High-level Document:

You have to create a high-level document design for your project. You can reference the HLD form below the link.

Demo link:

HLD Document Link

Click here to enter text.

Low-level document:

You have to create a Low-level document design for your project; you can refer to the LLD from the below link.

Demo link:

Low Level Design Sample document link

Architecture:

You have to create an Architecture document design for your project; you can refer to the Architecture from the below link.

Demo Link:

Architecture Document Link

Wireframe:

You have to create a Wireframe document design for your project; refer to the Wireframe from the below link.

Demo link

Wire-frame link

Project work:

You will have to share the Tableau Public Link of your work

You have to submit your code GitHub repo in your dashboard when the final submission of your project.

Demo link

Project code sample link :

Detail project report:

Click here to enter text.

You have to create a detailed project report and submit that document as per the given sample.

Demo link

DPR sample link

Project demo video:

You have to record a project demo video for at least 5 Minutes and submit that link as per the given demo.

Demo link

Project sample link :

The project LinkedIn a post:

You have to post your project detail on LinkedIn and submit that post link in your dashboard in your respective field.

Demo link

Linkedin post sample link :