

Data Analysis Project

Data Analyst: KRISHNA B

Client/Sponsor:

Lettuce Growth (Source-Kaggle)

Purpose:

Write a brief description of why this project is happening below. Why is this project happening? What are the goals?

The goal of this project is to analyze the growth of the Lettuce and the factors that contributes for its growth and how much each of the factors contributes towards the growth of Lettuce. This project will identify how lettuce grows based on different humidity and temperatures. After identifying the growth level, number of days taken for the growth is analyzed. The final deliverables will recommend the accurate weather condition that can be used for growing Lettuce within minimum number of days.

Scope / Major Project Activities:

What are the major parts of this project? List out the high-level steps, activities, or stages of the project, and give a brief description for each.

Activity	Description
Data Collection	Collect Lettuce growth dataset from Kaggle
Identify growth pattern	Analyze data to identify the pattern of growth
Identify growth condition	Among all the available data analyze the best and the worst condition for lettuce growth
Growth suggestion	Based on the analyzed data recommend the best growing condition
Deliver final report	Deliver final report and recommendations

This project does not include:

Specify the things that this project isn't responsible for doing (out of scope). For instance, "this project does not involve a summation of 2019 data analysis"

- Growth of vegetable other than Lettuce
- Implementing any solution or recommendations
- No other extra data is considered for this project

Deliverables:

A specific list of things that your project will deliver.

Deliverable	Description/ Details
Growth graph	A data visualization of all the weather factors for growth.
Recommendations	Recommendation for growth of Lettuce.
Final Report	A final report detailing the growth pattern and recommendation for proper growth of Lettuce.

Schedule Overview / Major Milestones:

The expected schedule for the project. This can be defined by milestones (e.g. "all data is cleaned and processed"), periods of time ("Week 1 / Week 2"), or other ways based on the needs of the project.

Milestone	Expected Completion Date	Description/Details
Data Review	22/01/2024	Review of the data sources and cleaning is completed
Data analysis	24/01/2024	Initial data analysis is completed
Graph	24/01/2024	Graph visualizing the growth is created
Recommendations list	25/01/2024	Best growing condition, including number of days taken
Final Report	25/01/2024	Final report detailing all work,

		<i>analysis and findings.</i>
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*Estimated date for completion:

This is my "if all goes well and I have everything I need, this is when I'll be done" date.

January 25, 2024