Horticulture Data Wrangling and Visualization Project

Overview

Welcome to the Horticulture Data Wrangling and Visualization Project! This project focuses on the analysis and visualization of horticulture data using R and RStudio. The process includes data cleaning, data wrangling using dplyr, and creating insightful visualizations with ggplot. This readme file provides a guide to understand and work with the project.

Project Description

The Horticulture Data Wrangling and Visualization Project involves the exploration and analysis of horticulture data. Leveraging the power of R, RStudio, dplyr, and ggplot, this project showcases the capabilities of data manipulation and visualization techniques. The goal is to provide meaningful insights into horticulture trends and patterns.

Getting Started

Prerequisites

Before diving into the project, make sure you have the following installed:

- R
- RStudio

Installation

1. Clone the repository:

   ```
   git clone https://github.com/abhinaykumar-47/Horticulture_data.git
   ```

2. Open the R project in RStudio.

3. Set up any required R packages by running the necessary installation commands.

Analysis and Visualization

The project involves the following key steps:

1. **Data Collection:** Gather horticulture data from reliable sources.
2. **Data Cleaning:** Use dplyr to clean and preprocess the data for analysis.
3. **Data Wrangling:** Apply dplyr functions to manipulate and shape the data.
4. **Data Visualization:** Utilize ggplot to create informative visualizations that highlight horticulture trends and insights.

Project Components

- **Scripts:** R scripts for data cleaning, wrangling, and visualization.
- **Datasets:** Raw and processed horticulture datasets.
- **Visualizations:** Output visualizations showcasing key insights.

Tools Used

- R
- RStudio
- dplyr
- ggplot

Data Sources

- Government of India Horticulture data

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