

Instructions for Navigating the GitHub Repository and Locating Key Components

Overview

This guide provides detailed instructions on how to navigate the GitHub repository [Tui-Cruise_Task_Seoin](#) and locate key components.

Repository Structure

The repository consists of the following primary files and directories:

1. **README.md** - Overview and instructions for the repository.
2. **data/** - Directory containing raw data files.
3. **scripts/** - Directory containing analysis scripts.
4. **reports/** - Directory containing PDF reports of various analyses.

Navigating the Repository

1. README.md

- **Location:** Root directory.
- **Purpose:** Provides an overview of the repository, including the purpose and instructions for setting up and using the repository.

2. data/

- **Contents:** Raw data files.
- **Key Files:**
 - `data.csv`: The primary data file used for analysis.

3. scripts/

- **Contents:** Analysis scripts.
- **Key Scripts:**
 - `efficiency_analysis.py`: Script for task efficiency analysis.
 - `environmental_impact_analysis.py`: Script for environmental impact analysis.

- `power_generation_analysis.py`: Script for power generation analysis.
- `propulsion_analysis.py`: Script for propulsion system analysis.

4. reports/

- **Contents:** PDF reports.
- **Key Reports:**
 - `Task_Efficiency_Analysis.pdf`: Detailed report on task efficiency analysis.
 - `Task_Environmental_Impact.pdf`: Detailed report on environmental impact analysis.
 - `Task_Power_Generation.pdf`: Detailed report on power generation analysis.
 - `Task_Propulsion_Analysis.pdf`: Detailed report on propulsion analysis.

Accessing Key Components

5. Overview and Setup Instructions:

- Open `README.md` in the root directory to get an overview and setup instructions for the repository.

6. Raw Data:

- Navigate to the `data/` directory and open `data.csv` to access the raw data used for analysis.

7. Analysis Scripts:

- Navigate to the `scripts/` directory to find scripts related to different analyses. Each script is named according to the type of analysis it performs.

8. PDF Reports:

- Navigate to the `reports/` directory to access detailed reports in PDF format. Each report corresponds to a specific type of analysis and provides comprehensive results and discussions.