Perfetti van Melle (PVM) Report - Forecast Model Solution

This project contains a Jupyter Notebook designed to analyze and forecast the overall production for the next 3 months (across all countries and regions) for PVM's production facility in Turkey. The notebook includes data extraction, preprocessing, and forecasting model implementation.

Prerequisites

Before running the notebook, ensure you have the following installed:

- Python
- Jupyter Notebook or VS Code or any other IDE.

Required Libraries

Run the following command in your terminal or command prompt to install the necessary libraries:

pip install pandas seaborn matplotlib numpy scipy scikit-learn

How to Run the Notebook

1. Download the Zip File

Download and unzip folder. The notebook file is "Model_Notebook.ipynb". Ensure the necessary data files are placed in the appropriate directory.

2. Launch IDE

Navigate to the directory containing the notebook, and start Jupyter Notebook or VS Code

3. Open the Notebook

In the Jupyter/VS Code interface, locate and open `Model_Notebook.ipynb`.

4. Run Cells

Run each cell sequentially by clicking "Run" or using `Shift + Enter`.