



# Kashier Task

## 1. Introduction

This document outlines the process of loading, inspecting, cleaning, and analyzing three datasets: data1, data2, and data3. The goal is to provide recommendations based on regression analysis for resource allocation, particularly focusing on the product with a positive growth rate

## 2.Loading Data

Three datasets, data1, data2, and data3, were loaded into separate Pandas DataFrames.

The three datasets were concatenated into a single DataFrame.

## 3.Data Cleaning

- Identified and handled missing values.
- Addressed outliers in the data.
- Dropped unnecessary columns.
- handling data types as needed.

## 4. Regression Analysis

after that I have done regression done for the data with excel and recommendation on which product, we need to allocate more resources: pos because the growth rate increasing with time after this pp.

## **5.Visualization with Power BI**

The cleaned and processed data was imported into Power BI for visualization.

## **6.Conclusion**

This document summarizes the data analysis process, including data loading, cleaning, regression analysis, and visualization. The recommendations provided aim to guide resource allocation decisions based on the identified growth patterns.