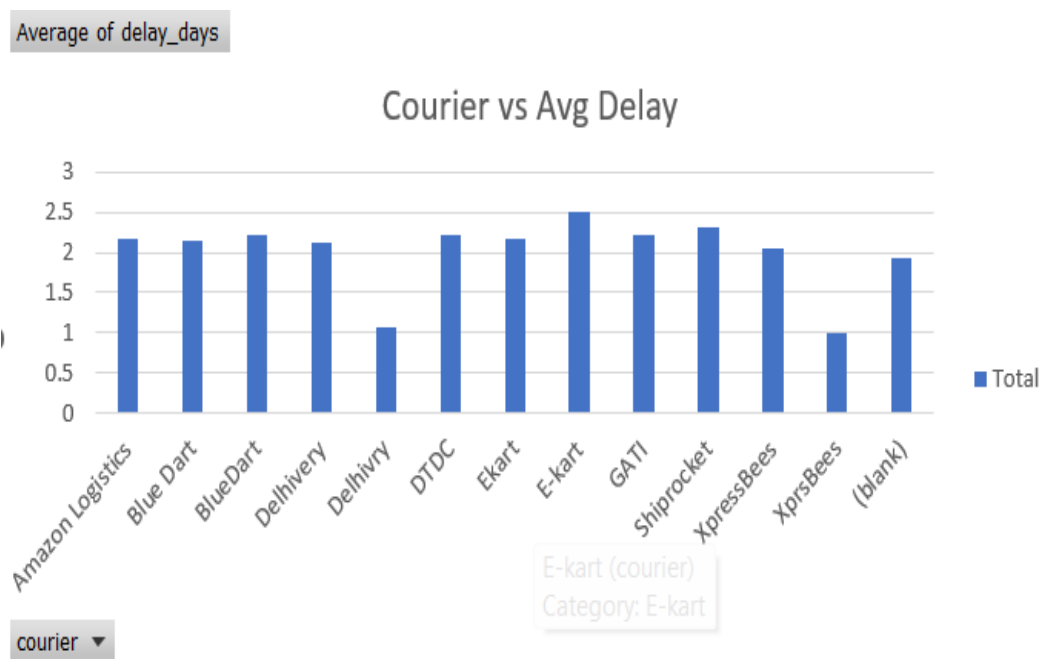


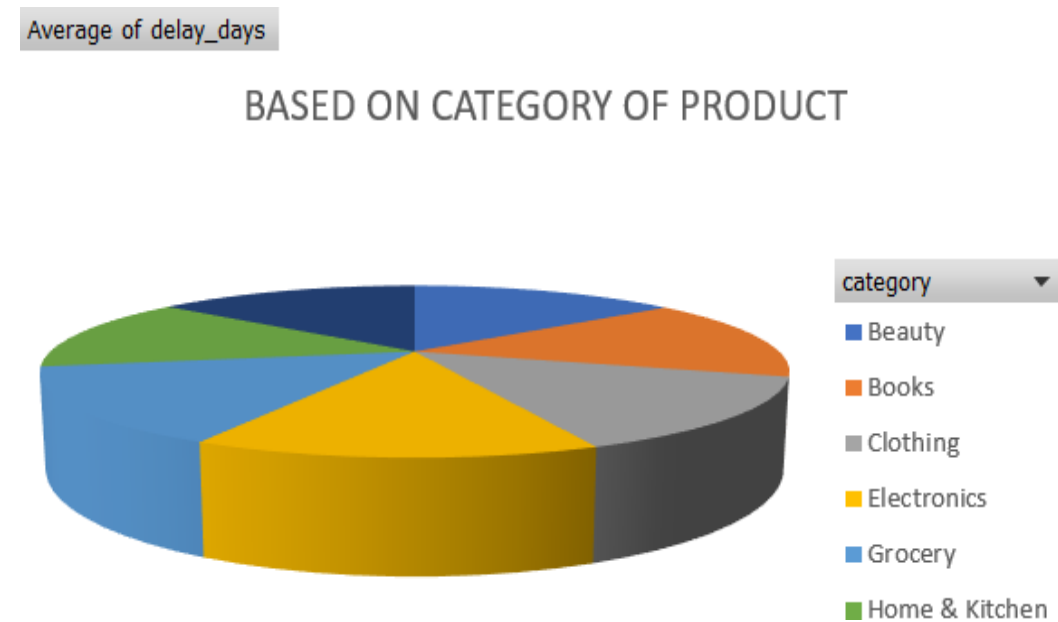
# Delivery Delay Insight System - Final Analytics Report

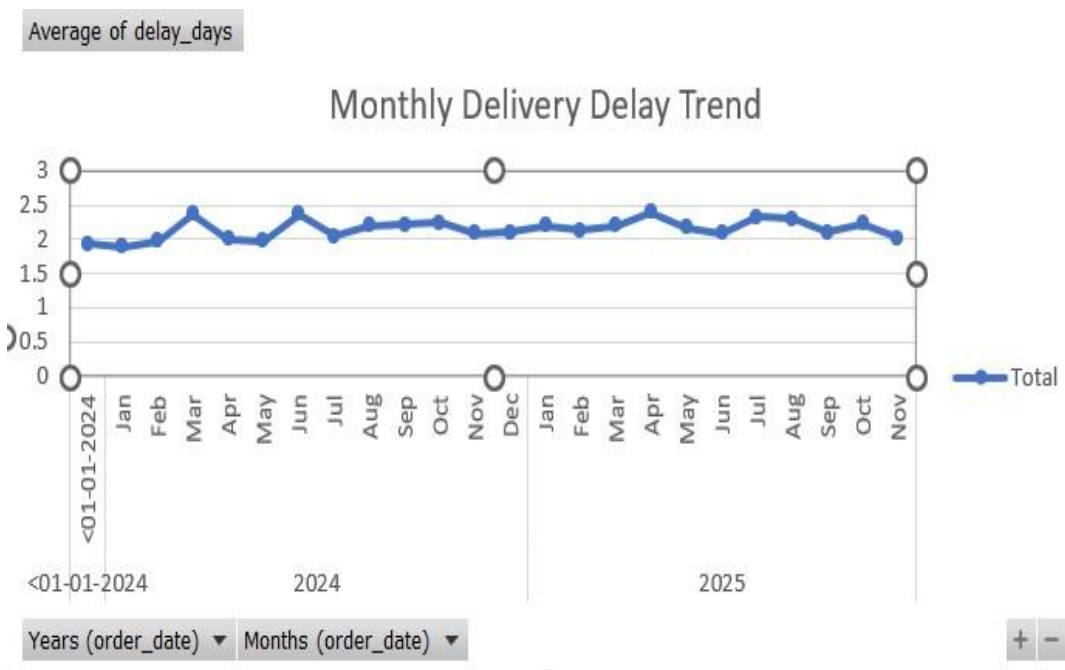
This report summarizes the end-to-end analysis of delivery performance using over 10,000 shipment records. The analysis identifies courier efficiency, city delays, category wise performance & monthly trends using SQL, Excel & Python visualization techniques.

**Tools Used:** SQL | Excel | Python (Pandas + Matplotlib) | Data Cleaning | Visualization

## Dashboard Visual Insights







## Business Findings

- Couriers show different delay averages, indicating performance gaps.
- Electronics & heavy handling items delay more than others.
- Metro cities like Mumbai & Delhi show higher delay behaviour.
- Delay increases around festival & seasonal demand spikes.

## Recommendations

- Improve courier performance contracts (SLA based delivery score).
- Pre stock goods in high delay cities, add micro hubs for faster routing.
- Festival season preparation with additional workforce & stock levels.
- Faster packaging process for electronics/logistics heavy items.