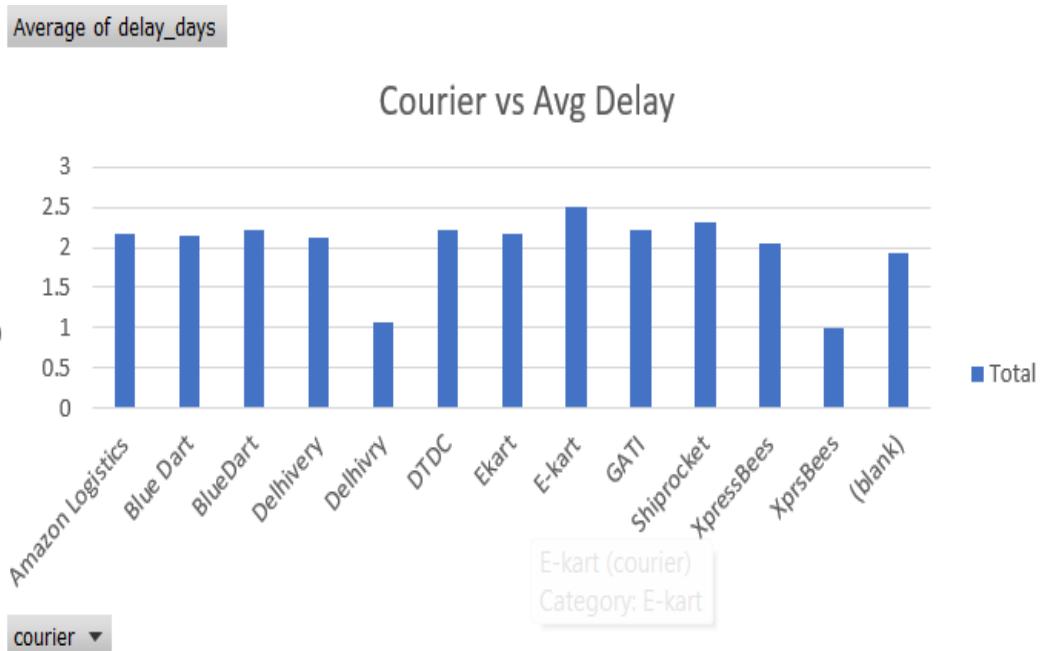


Delivery Delay Insight System - Final Analytics Report

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

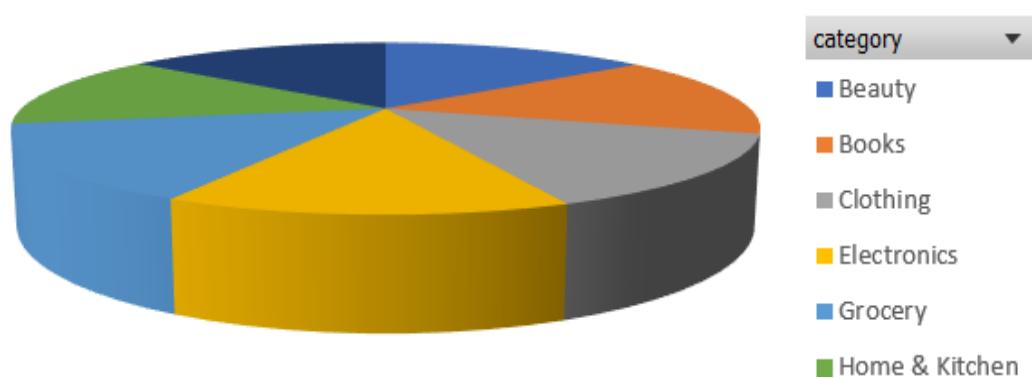
Dashboard Visual Insights



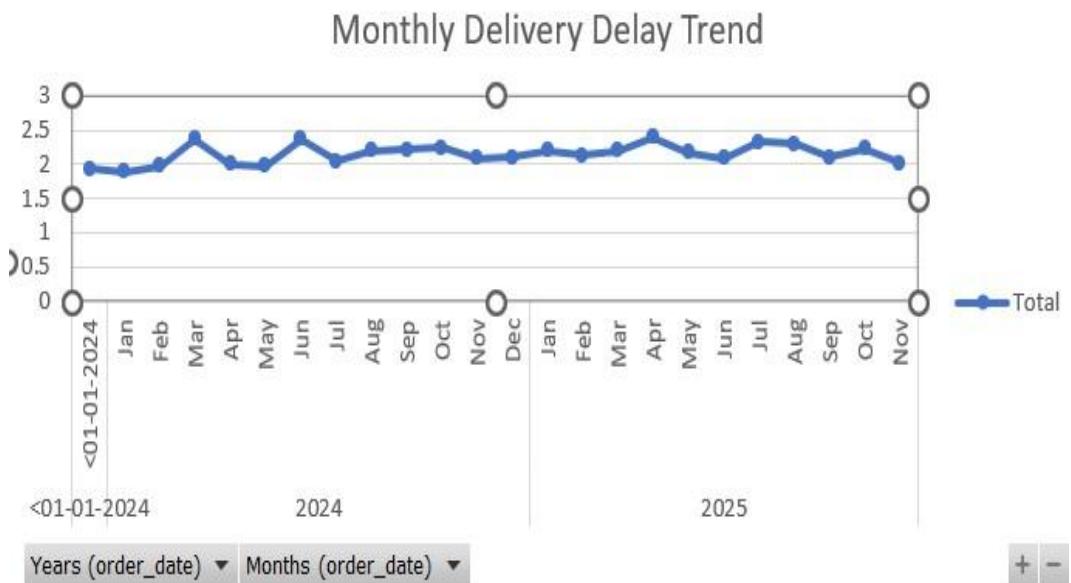


Average of delay_days

BASED ON CATEGORY OF PRODUCT



Average of delay_days



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.