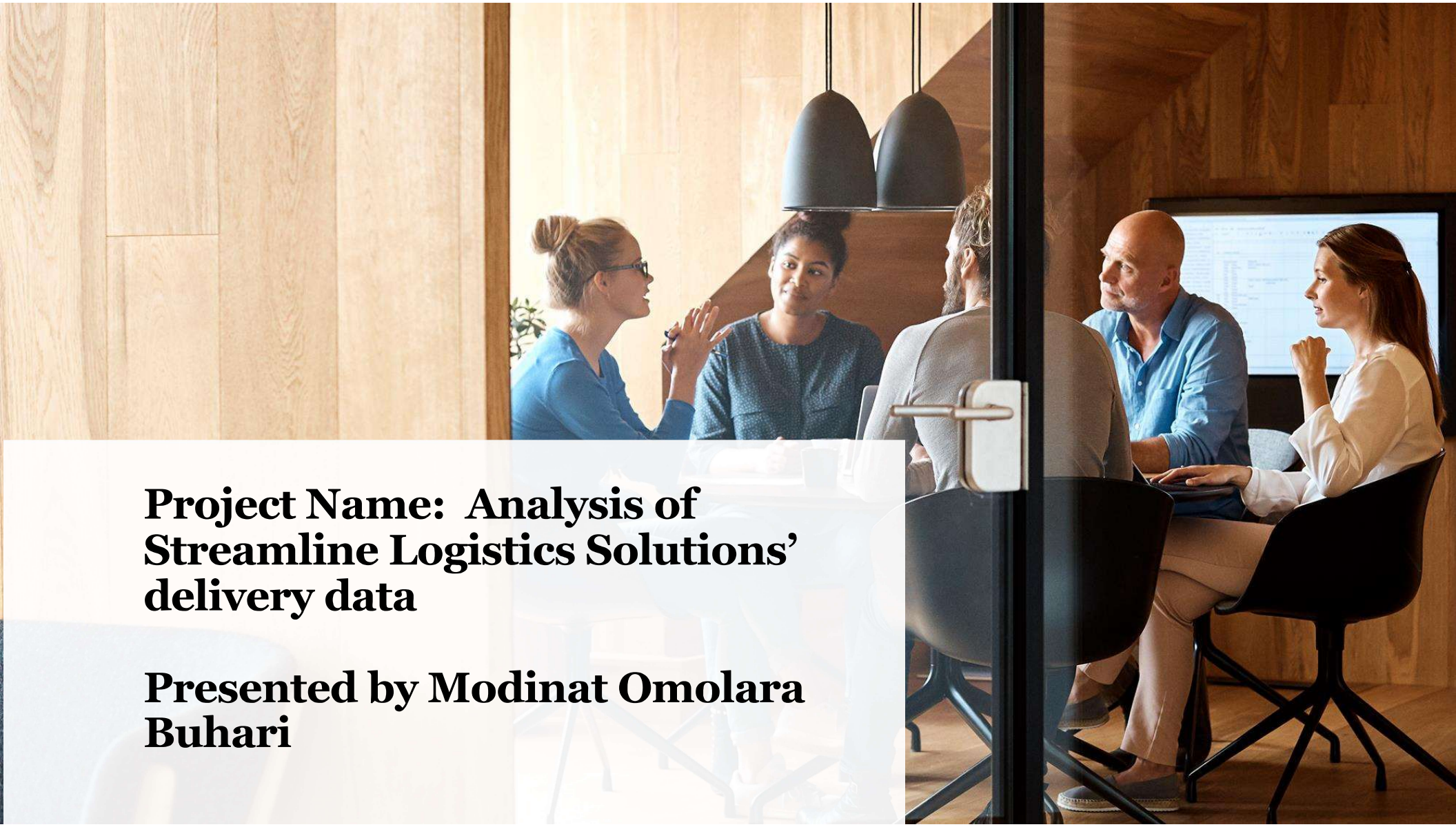


Project Name: Analysis of Streamline Logistics Solutions' delivery data

Presented by Modinat Omolara Buhari

Outline

- Introduction
- Aim of the project
- Presenting streamline logistic solutions business challenges
- Project dashboard
- Business recommendation

Introduction

Introduction

Streamline Logistics Solutions is a growing and distinguished leader in the supply chain and logistics industry. Since its inception in 2023, the company has established a reputation for providing reliable and efficient logistics services across a wide range of industries.

The company is recognized as a pillar of reliability within the logistics sector, offering tailored solutions that optimize transportation processes, reduce operational costs, and enhance delivery performance.

Its commitment to operational efficiency and customer satisfaction has positioned Streamline Logistics Solutions as a trusted logistics partner to businesses and consumers alike.

Aim of the project

The project aims to provide support to streamline logistics solutions by making smart, data-driven decisions through effective data analysis and visualization.

Key Objectives:

• **Data Cleaning:** Prepare clean, accurate datasets for reliable analysis.

• **Data Analysis:** Use Excel tools to uncover trends and patterns.

• **Dashboarding:** Design a clear visual dashboard using charts, Forecast.EST, Pivot tables, and slicers to present insights.

• **Business Insights:** Deliver actionable recommendations based on data findings to guide strategic decisions.

Business Challenges

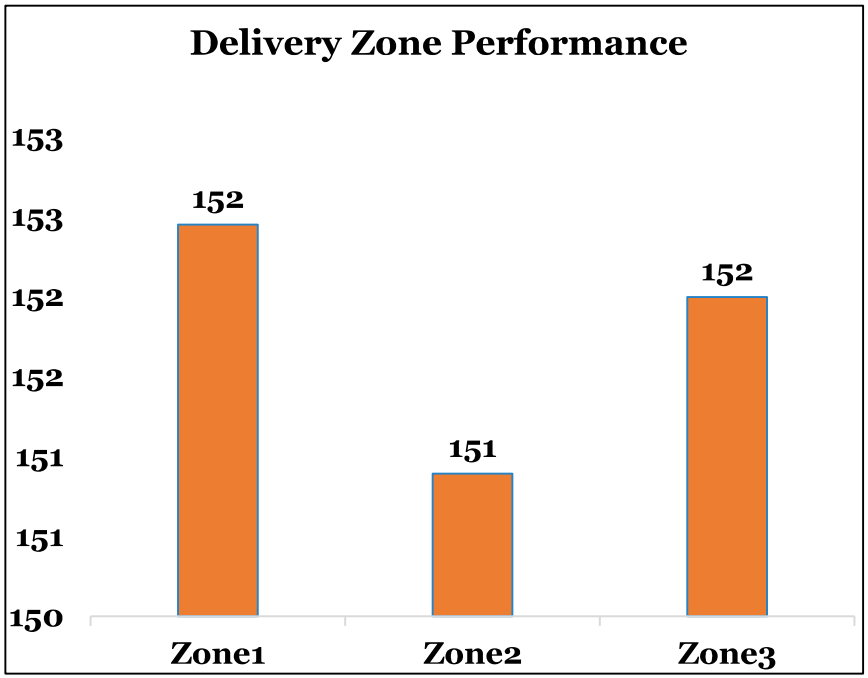
Streamline logistic solutions business challenges

Delivery Zone Performance

This chart compares the average delivery time across Zone 1, Zone 2, and Zone 3.

Zone 1 and Zone 3 have similar higher times (152 min), while Zone 2 performs best (151 min).

→ Zone 2 is the most efficient.

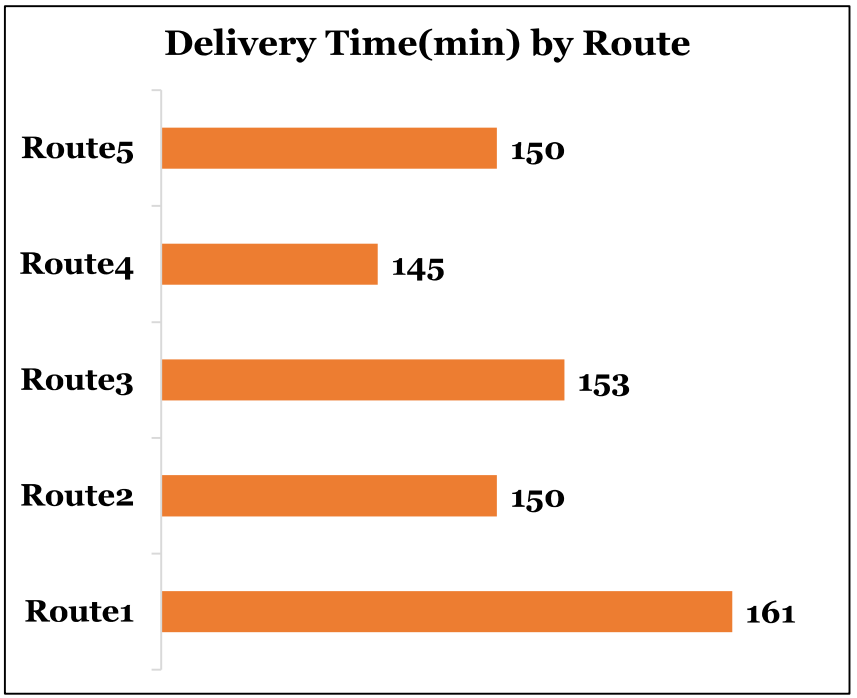


Delivery Time(min) by Route

This shows the average delivery time across different routes.

Route 1 has the highest average time (161 min), while Route 4 is the fastest (145 min).

→ Route1 needs performance review; Route4 is efficient.

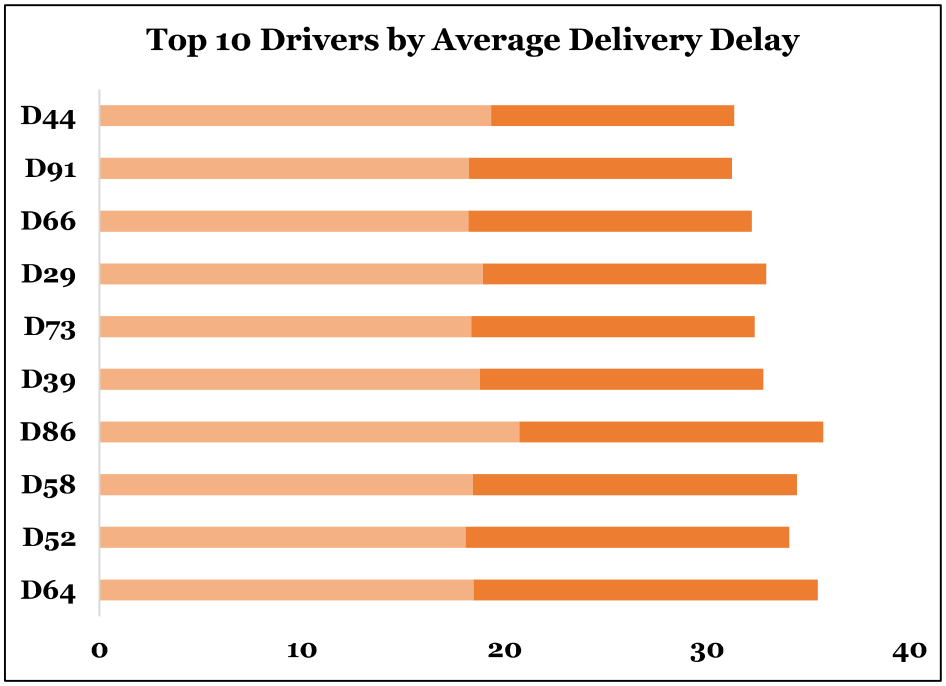


Top 10 Drivers by Average Delivery Delay

This ranks drivers by delay time and number of orders.

Drivers **D86, D44, D29, D64, and D73** have the longest delay times (18–21 minutes), while others perform slightly better.
Order counts are similar across drivers, meaning the delays are caused by **driver performance**, not workload.

→ Focus training or process checks on the top drivers.

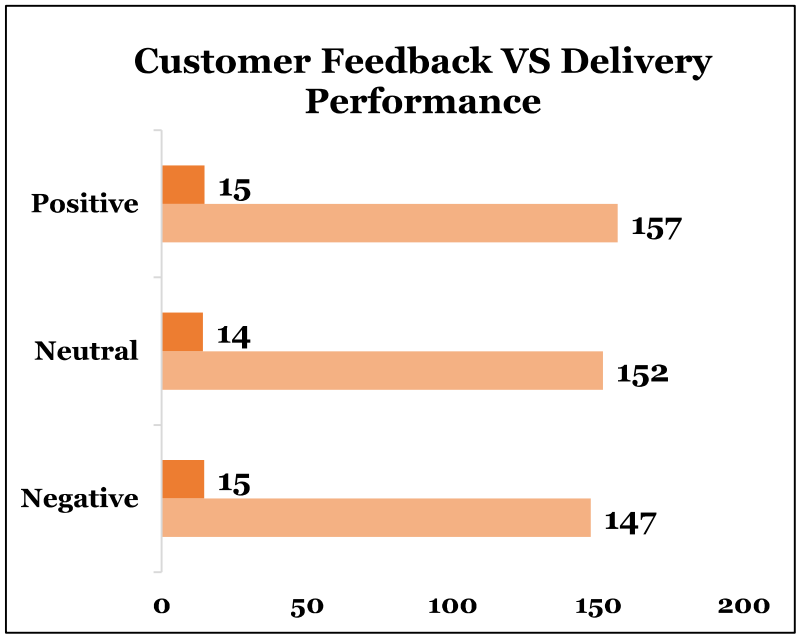


Customer Feedback vs Delivery Performance

This compares customer sentiment with average delivery time.

Positive feedback has the highest delay time (157 min), Neutral and Negative are lower.

→ Delivery time alone may not drive satisfaction; other service factors matter.

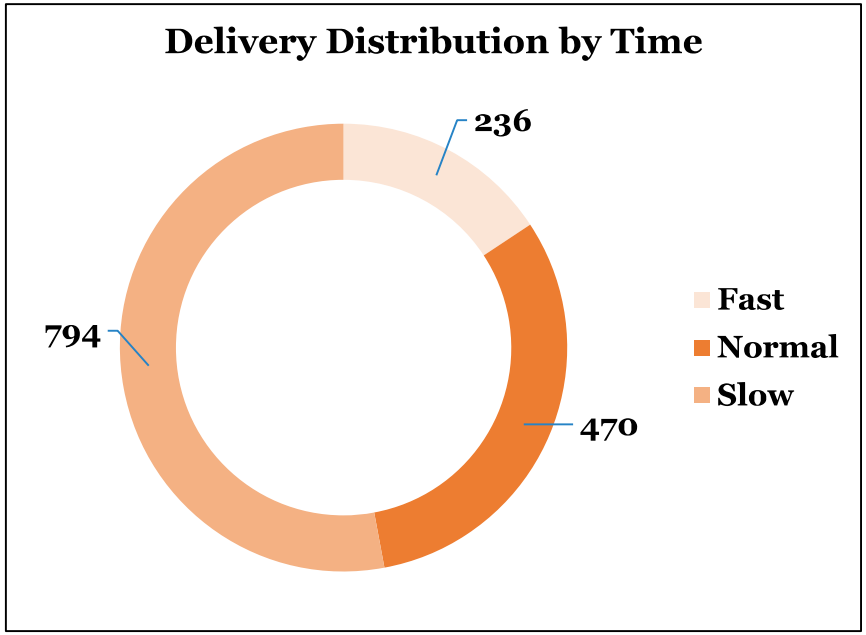


Delivery Distribution by Time (Fast / Normal / Slow)

This chart shows how many deliveries fall into each speed category.

Slow deliveries dominate (794), Normal are fewer (470), and Fast are least (236).

→ Majority of deliveries are slower than expected.

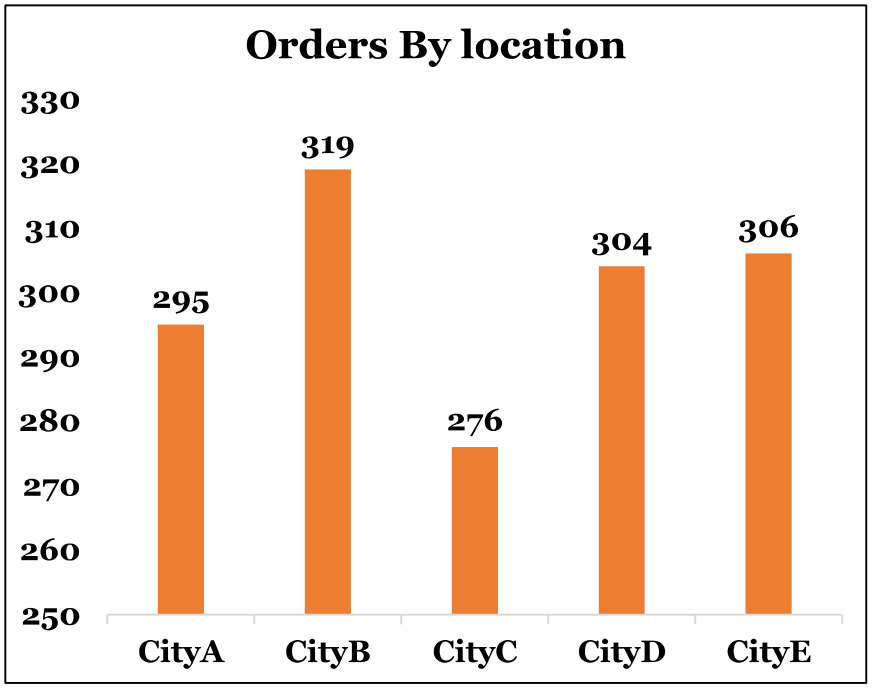


Orders by Location

This shows delivery volume by city.

CityB has the highest demand (319 orders), while CityC is the lowest (276).

→ Resources should match demand, with more capacity in CityB.

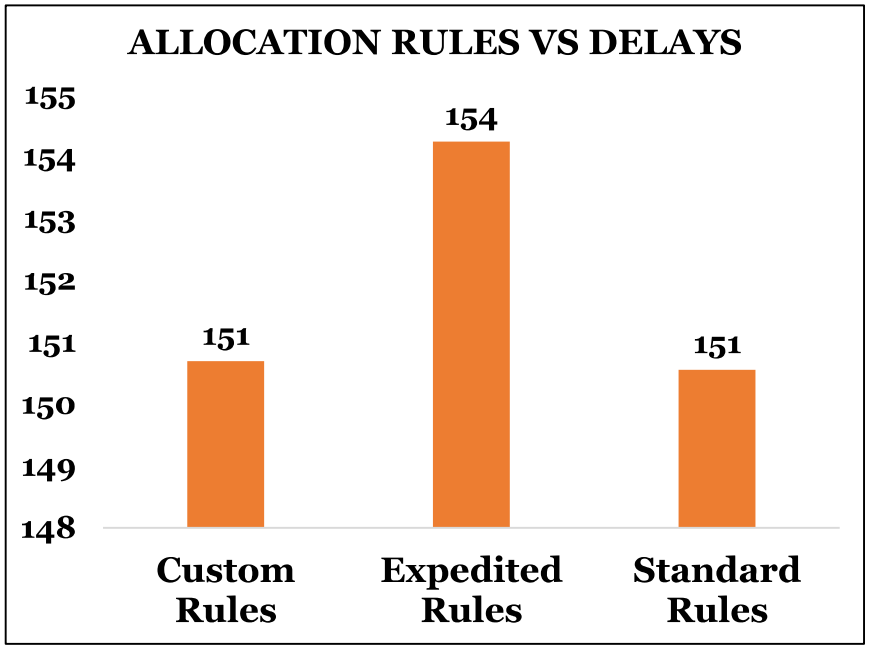


Allocation Rules vs Delays

This compares different allocation strategies.

Expedited Rules show the highest delivery time (154 min), while Custom and Standard Rules have lower averages (151 min).

→ Expedited rules are not improving speed as expected.

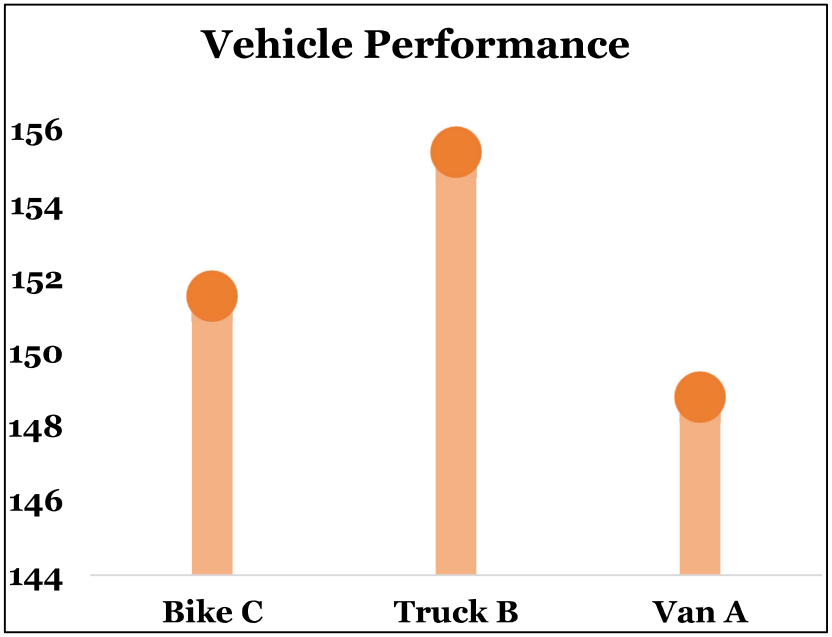


Vehicle Performance

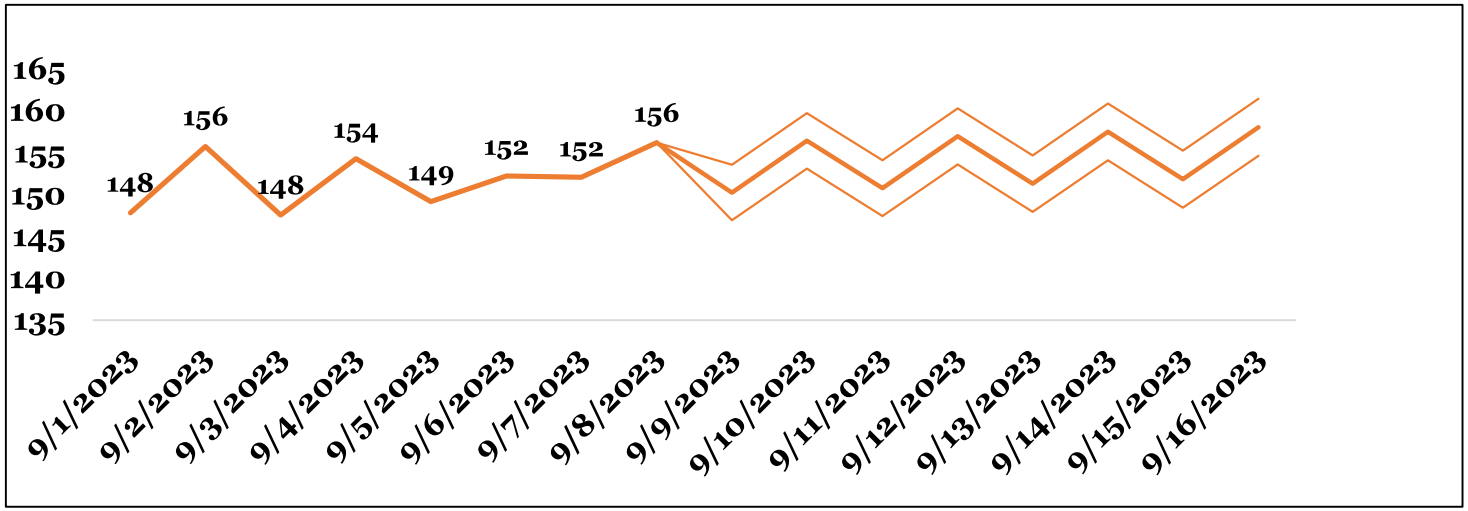
This evaluates delivery time by vehicle type.

Truck B performs worst (156 min), while Bike C and Van A are faster (around 150 min).

→ Truck B may need route review or maintenance



Trend of Average Delivery Time (Line Chart)



This shows the daily delivery time trend and forecast.
Actual delivery time fluctuates between 148–156 min.

The forecast line shows a **slight upward trend**, indicating deliveries may slow without intervention

STREAMLINE LOGISTIC SOLUTIONS
DELIVERY PERFORMANCE OVERVIEW DASHBOARD

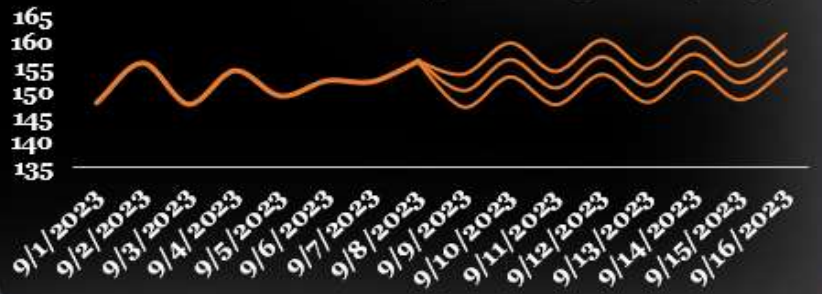
152
Average of Delivery Time

15
Average of Delays

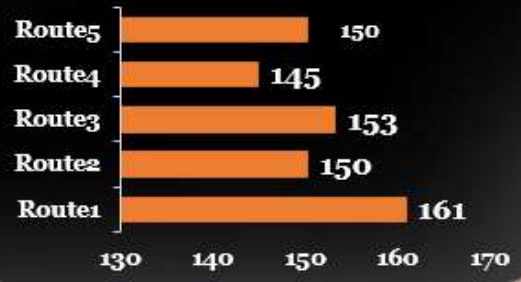
1500
Count of OrderID



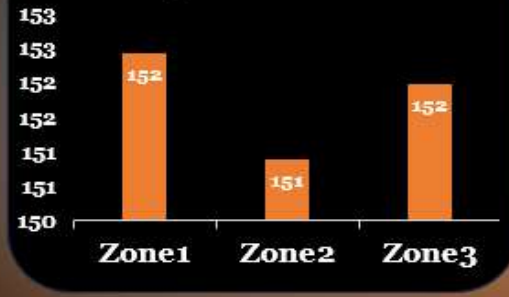
Trend of Average Delivery Time(min)



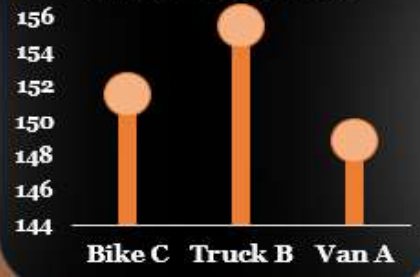
Delivery Time(min) by Route



Delivery Zone Performance



Vehicle Performance



Delivery Distribution by Time

Delivery Zone
- Zone1
- Zone2

Route
- Route1
- Route2

Vehicle Info
- Bike C
- Truck B
- Van A

Order Date
- 9/1/2023
- 9/2/2023
- 9/3/2023
- 9/4/2023
- 9/5/2023
- 9/6/2023

STREAMLINE LOGISTIC SOLUTIONS

DELIVERY ANALYSIS AND INSIGHT DASHBOARD

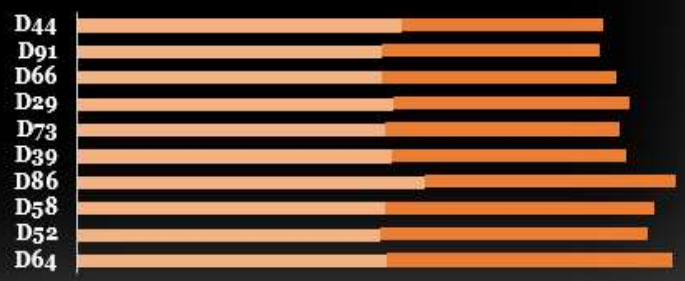
152
Average of Delivery Time

15
Average of Delays

1500
Count of OrderID

Current Location
- CityA
- CityB

Top 10 Drivers by Average Delivery Delay



Customer Feedback VS Delivery Performance

Customer Feedback
- Negative
- Neutral

Allocation Rules
- Expedited Rules
- Standard Rules

Orders By location

ALLOCATION RULES VS DELAYS

Driver ID
- D1
- D10
- D100
- D11
- D12

Recommendation for Streamline Logistics Solutions

1. Improve Route Optimization
Route 1 shows the highest delivery time.
→ Review route planning, traffic patterns, and driver allocation to reduce delays.

2. Enhance Customer Satisfaction Strategy
Positive feedback still shows longer delivery times than neutral feedback.
→ Review customer interaction, communication, and expectations to strengthen satisfaction beyond delivery time alone.

3. Prioritize Slow-Delivery Zones
Slow deliveries make up the largest portion of total deliveries.
→ Investigate causes—vehicle delays, loading time, or route inefficiencies, and implement corrective actions.

Conclusion for Streamline Logistics Solutions

The analysis demonstrates that Streamline Logistics Solutions has a strong foundation in delivery operations with consistent performance across zones and routes. However, there are key opportunities to enhance reliability and efficiency further.

By focusing on route improvements, targeted driver coaching, balanced resource allocation, and vehicle performance optimization, the company can significantly reduce delivery delays.

Additionally, reviewing allocation rules and strengthening customer experience measures to support higher satisfaction levels.

Thank you

- **Presented by Modinat Omolara Buhari**
- **Project Name: Analysis of Streamline Logistics Solutions' delivery data**