

Delivery Log Report - Log ID: 777a2f5d

■ Estimation vs Actual Data

Total Time (min): Estimated 3.33, Actual 3.5
Distance (km): Estimated 18.0, Actual 19.0
Average Speed (km/h): Estimated 20.0, Actual 19.0
Fuel Consumption (L): Estimated 10.0, Actual 11.0
Cost (\$): Estimated 100.0, Actual 105.0
Travel Time (min): Estimated 0.5, Actual 0.55
Waiting Time (min): Estimated 0.083, Actual 0.09

■ AI Feedback & Recommendations:

Summary of Key Insights

The analysis of estimated versus actual delivery performance reveals some discrepancies that highlight po

Detailed Comparison

The following metrics were analyzed to compare estimated and actual performance:

- * **Total Time:** The actual delivery took **3.5 minutes**, which is **0.17 minutes** longer than the estim
- * **Distance:** The actual distance covered was **19 km**, exceeding the estimated **18 km** by **1 km**.
- * **Average Speed:** The actual average speed was **19 km/h**, which is **1 km/h** lower than the estim
- * **Fuel Consumption:** The actual fuel consumption was **11 L**, **1 L** more than the estimated **10 L
- * **Cost:** The actual cost was **\$105**, which is **\$5** higher than the estimated **\$100**.
- * **Travel Time:** The actual travel time was **0.55 minutes**, **0.05 minutes** longer than the estimated
- * **Waiting Time:** The actual waiting time was **0.09 minutes**, slightly higher than the estimated **0.083

Possible Reasons for Variations

Several factors could have contributed to the deviations between estimated and actual values:

- **Traffic Congestion or Unexpected Delays:** Real-time traffic conditions might not have been fully accou
- **Driver Behavior and Route Deviations:** Drivers may have taken different routes or driven at varying sp
- **Inaccurate Fuel Consumption Estimates:** The initial fuel consumption estimates might not have accur
- **External Factors:** Weather conditions, roadblocks, or construction could have impacted the delivery, c

Recommendations for Improvement

To enhance the accuracy of future estimations, consider the following recommendations:

- **Enhancing Route Optimization Models:** Incorporate more detailed and real-time data into route optimi
- **Incorporating Real-Time Traffic Data:** Utilize real-time traffic updates to adjust estimated travel times a
- **Adjusting Fuel and Cost Prediction Methods:** Review and refine the methods used for estimating fuel
- **Training Drivers for Better Efficiency:** Provide drivers with training on efficient driving practices and the

By implementing these recommendations, logistics operations can become more efficient, reducing discrep