

E-Commerce Delivery Performance Dashboard

100K

Total Shipments

31K

Total Delayed Shipme...

0.31

Delay Rate %

3.82

Avg Delivery Days

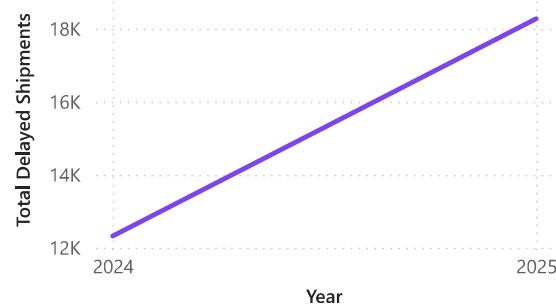
3.83

Avg Predicted Days

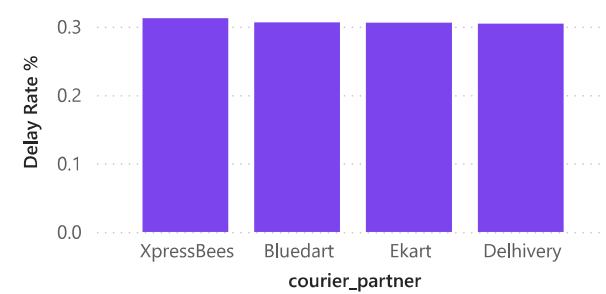
Delay Rate % by customer_city



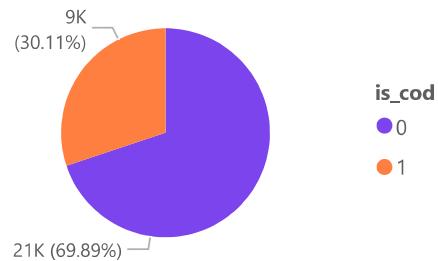
Total Delayed Shipments by Year



Delay Rate % by courier_partner



Total Delayed Shipments by is_cod



route_id	Sum of delay_days
BEN-AHM	-525
BEN-BEN	-485
BEN-CHE	-522
BEN-DEL	-423
BEN-HYD	-405
BEN-KOL	-468
Total	-15334

courier_partner

- Bluedart
- Delhivery
- Ekart
- XpressBees

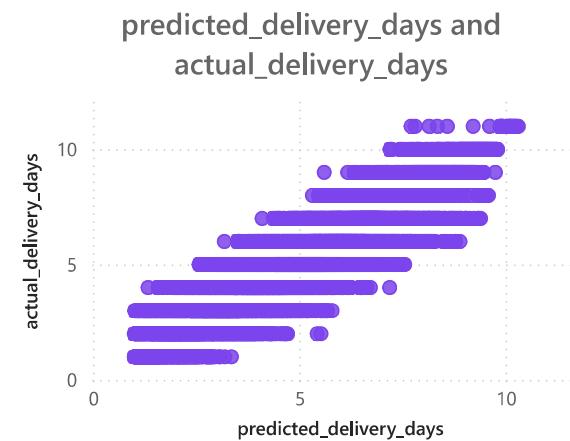
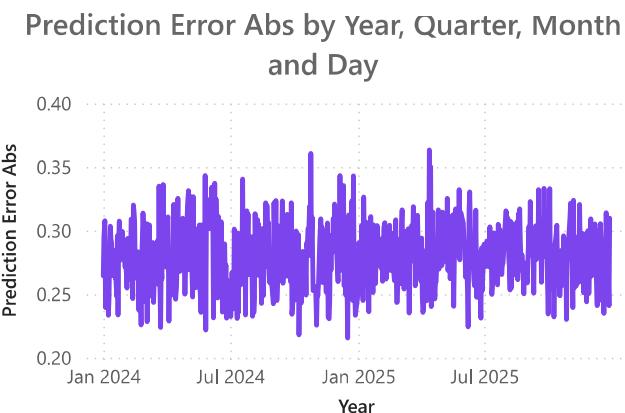
customer_city

- Ahmedabad
- Bengaluru
- Chennai
- Delhi



- Model predicts delivery time with ~80–85% accuracy
- Long-distance orders have higher prediction error
- COD + Peak Sale shipments are riskier with unpredictable delays
- Business can save 12–20% SLA violation cost by flagging risky shipments early

Sum of order_id	Sum of predicted_delivery_days	Sum of actual_delivery_days
153086440	12,105.13	
158126352	12,049.17	
156867059	11,877.93	
160886520	12,023.94	
146804061	11,650.12	
157001302	12,019.32	
152646845	12,123.63	
156574469	11,955.16	
218227358	16,637.62	
221072796	16,732.65	
5000050000	382,538.02	



3.83

Avg Predicted Days

0.28

Prediction Error Abs

0.93

Prediction Accuracy %