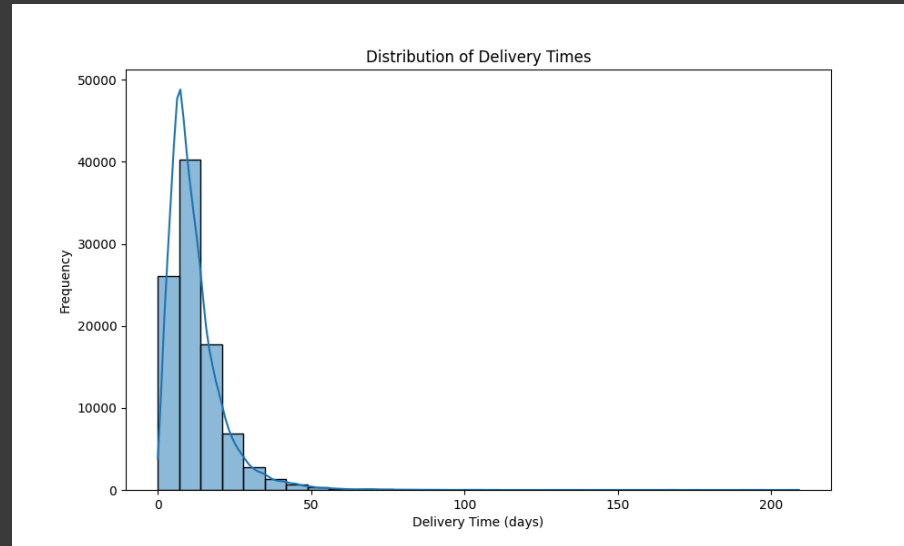


E-Commerce Delivery Performance Dashboard

Average of delivery_time

12.09



Max of delivery_time

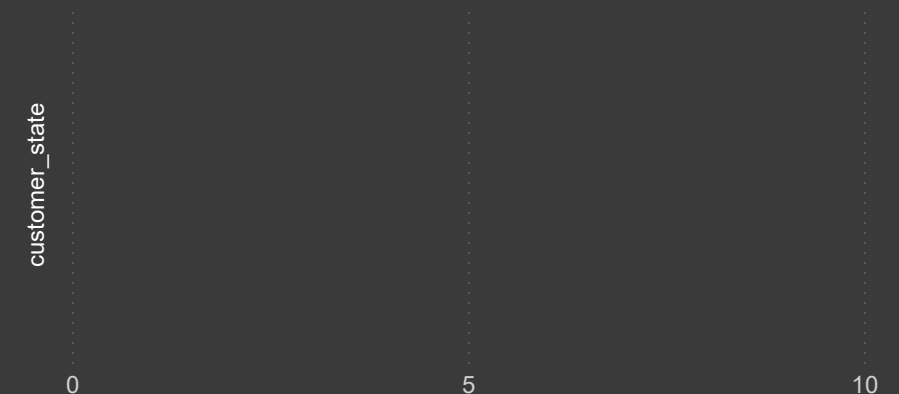
209

Business Recommendations:

1. Optimize Logistics in Northern States (RR, AP, AM, PA):
 - Delays > 23 days; partner with local carriers to cut ~20%.
2. Investigate Extreme Delays:
 - Orders > 180 days (e.g., ES, RJ); audit for process failures.
3. Improve Predictions:
 - R^2 of 0.22; add features (e.g., distance) for better estimates.

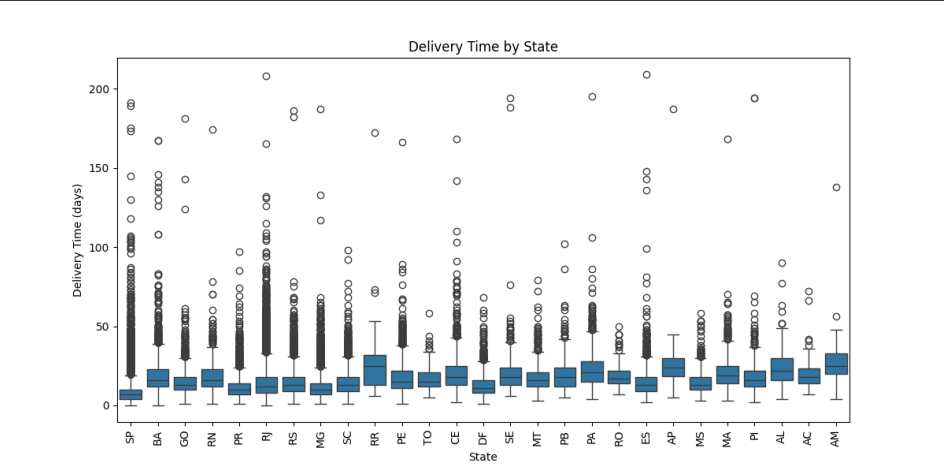
customer_state and mean

mean ● 28.9756097... ● 26.731343... ● 25.98620... ● 24.04030...



customer_state

CE



customer_state and mean

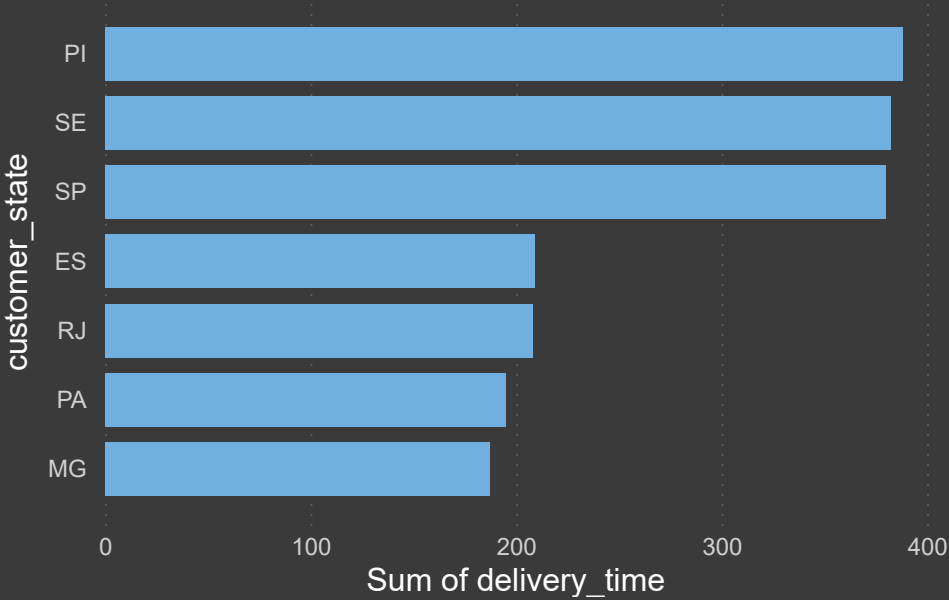
mean 20.817826426896012



customer_state

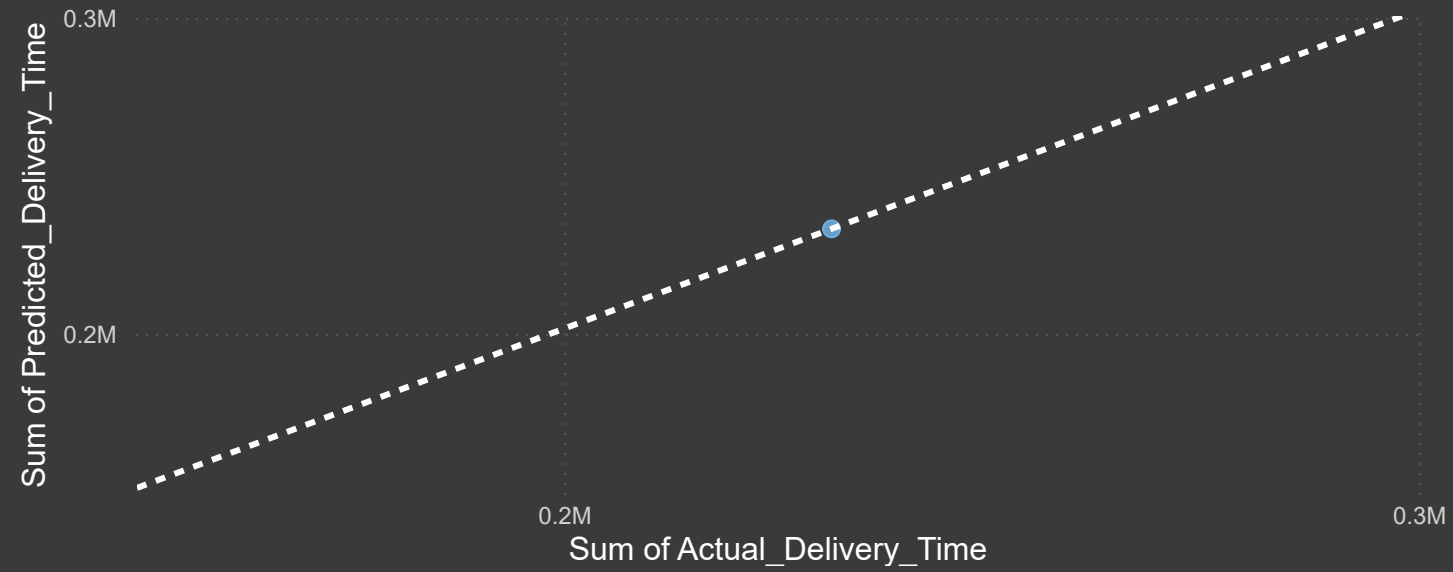
All

Sum of delivery_time by customer_state



order_id	customer_state	Sum of delivery_time
ca07593549f1816d26a572e06dc1eab6	ES	209
c27815f7e3dd0b926b58552628481575	MG	187
440d0d17af552815d15a9e41abe49359	PA	195
0f4519c5f1c541ddec9f21b3bddd533a	PI	194
2fb597c2f772eca01b1f5c561bf6cc7b	PI	194
1b3190b2dfa9d789e1f14c05b647a14a	RJ	208
285ab9426d6982034523a855f55a885e	SE	194
2d7561026d542c8dbd8f0daeadf67a43	SE	188
2fe324febf907e3ea3f2aa9650869fa5	SP	189
47b40429ed8cce3aee9199792275433f	SP	191
Total		1949

Sum of Actual_Delivery_Time and Sum of Predicted_Delivery_Time



R2

0.22

MSE

67.64