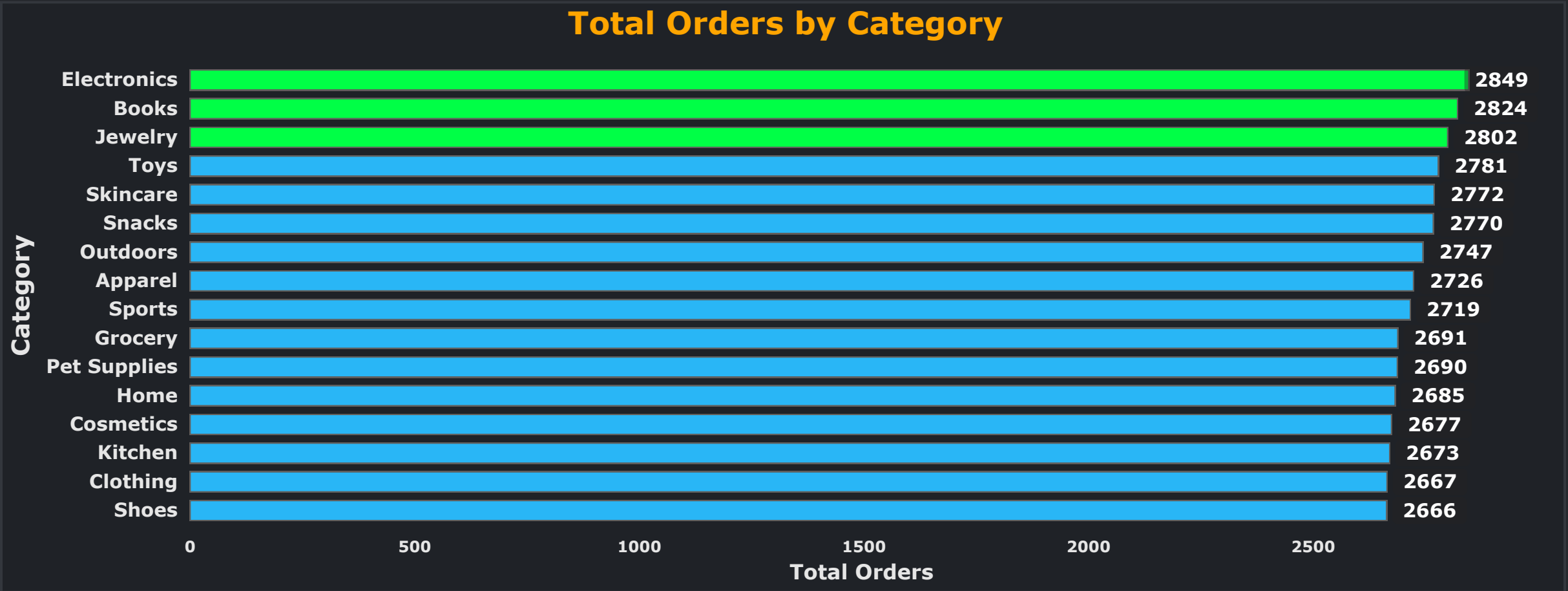
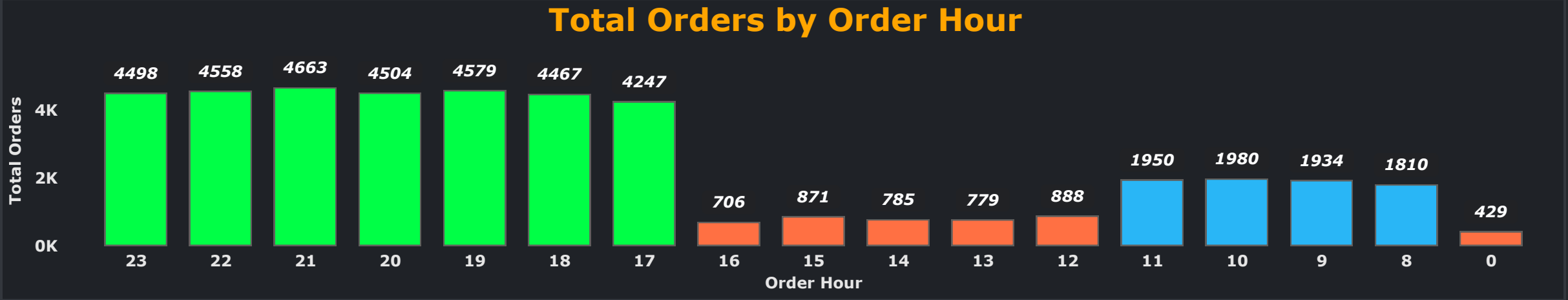
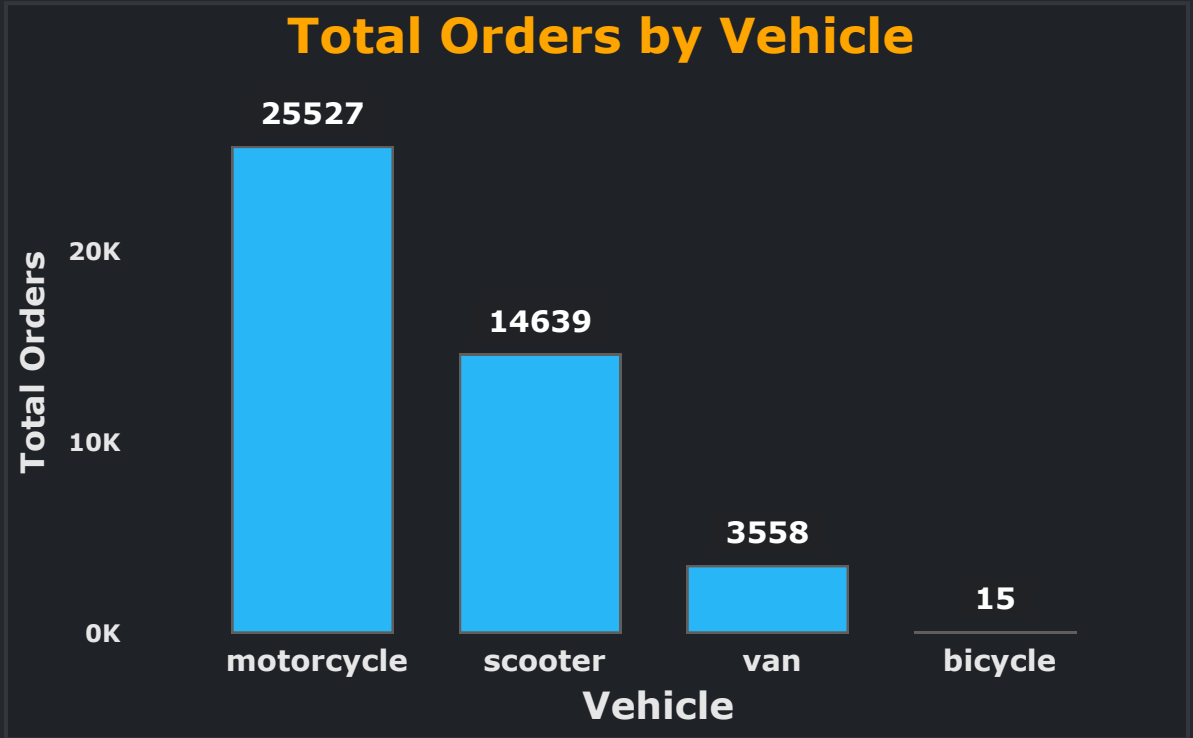
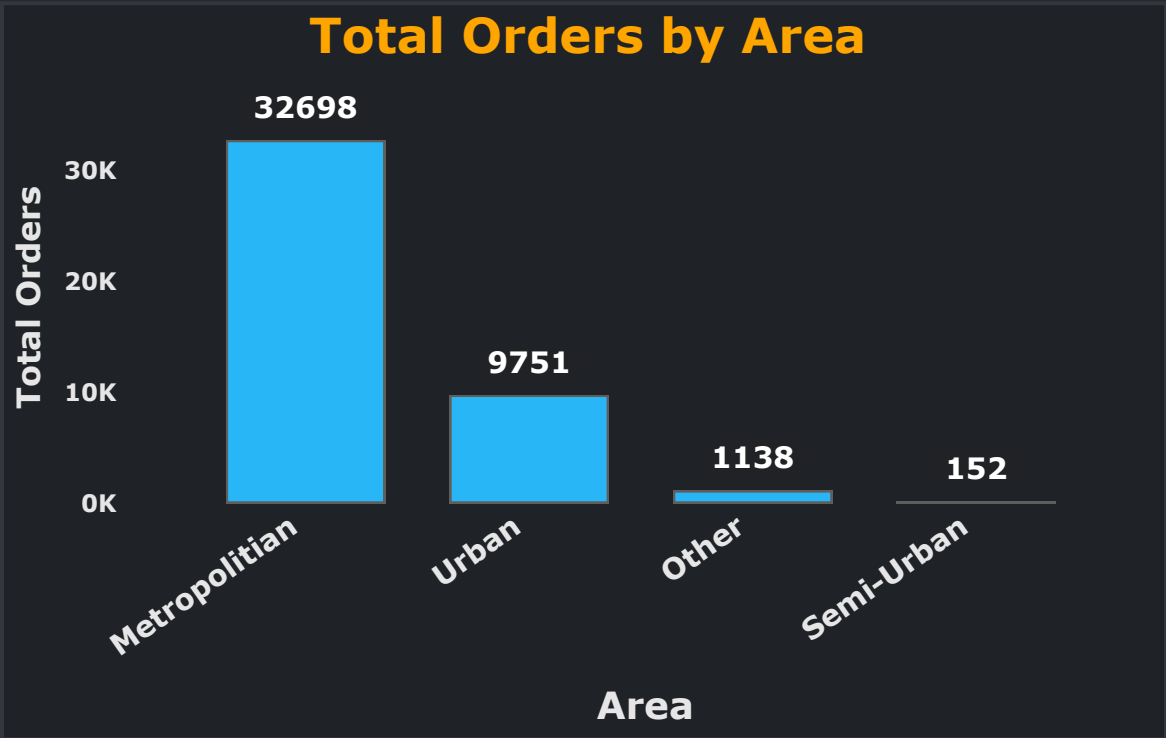
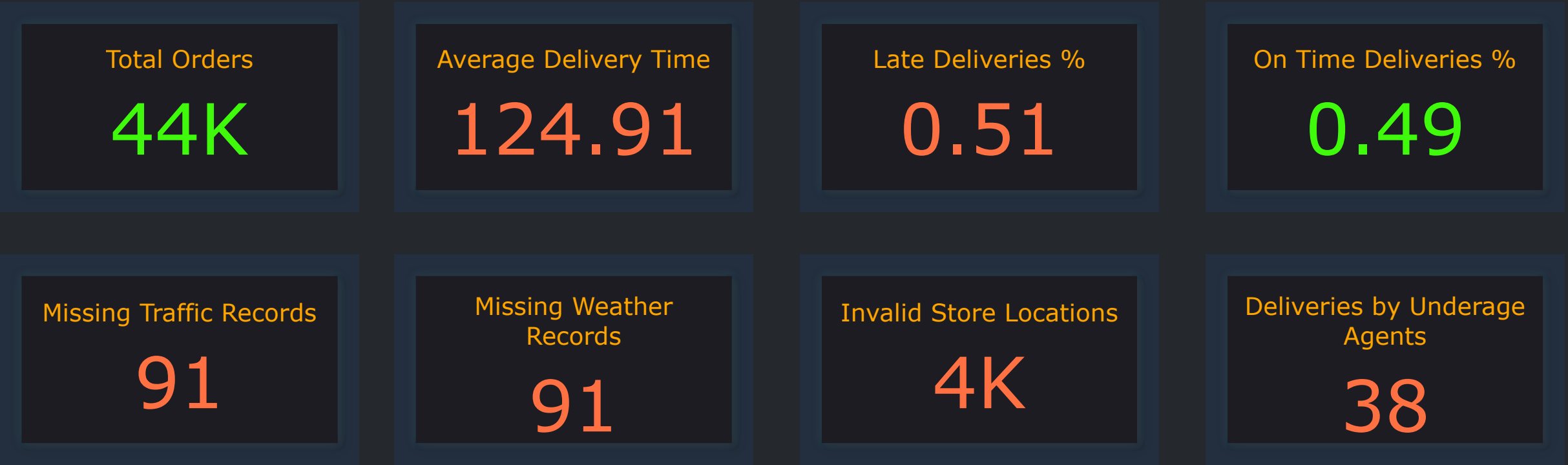
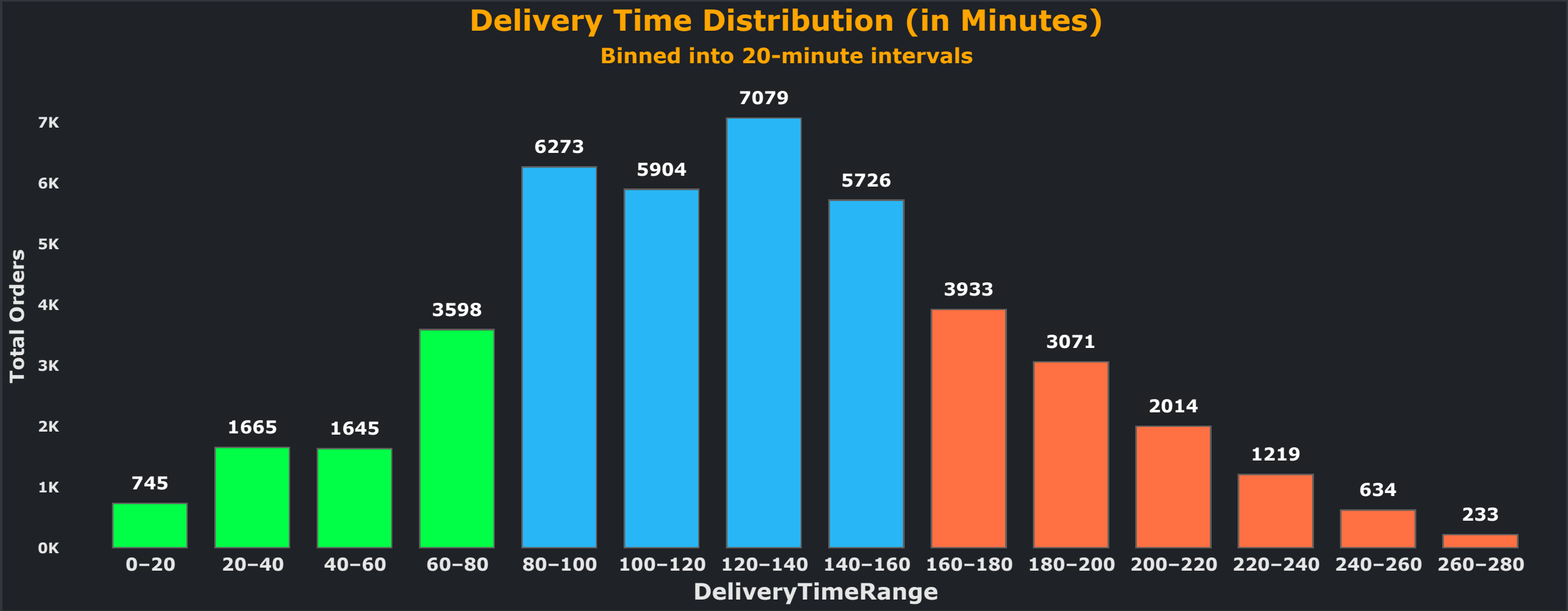
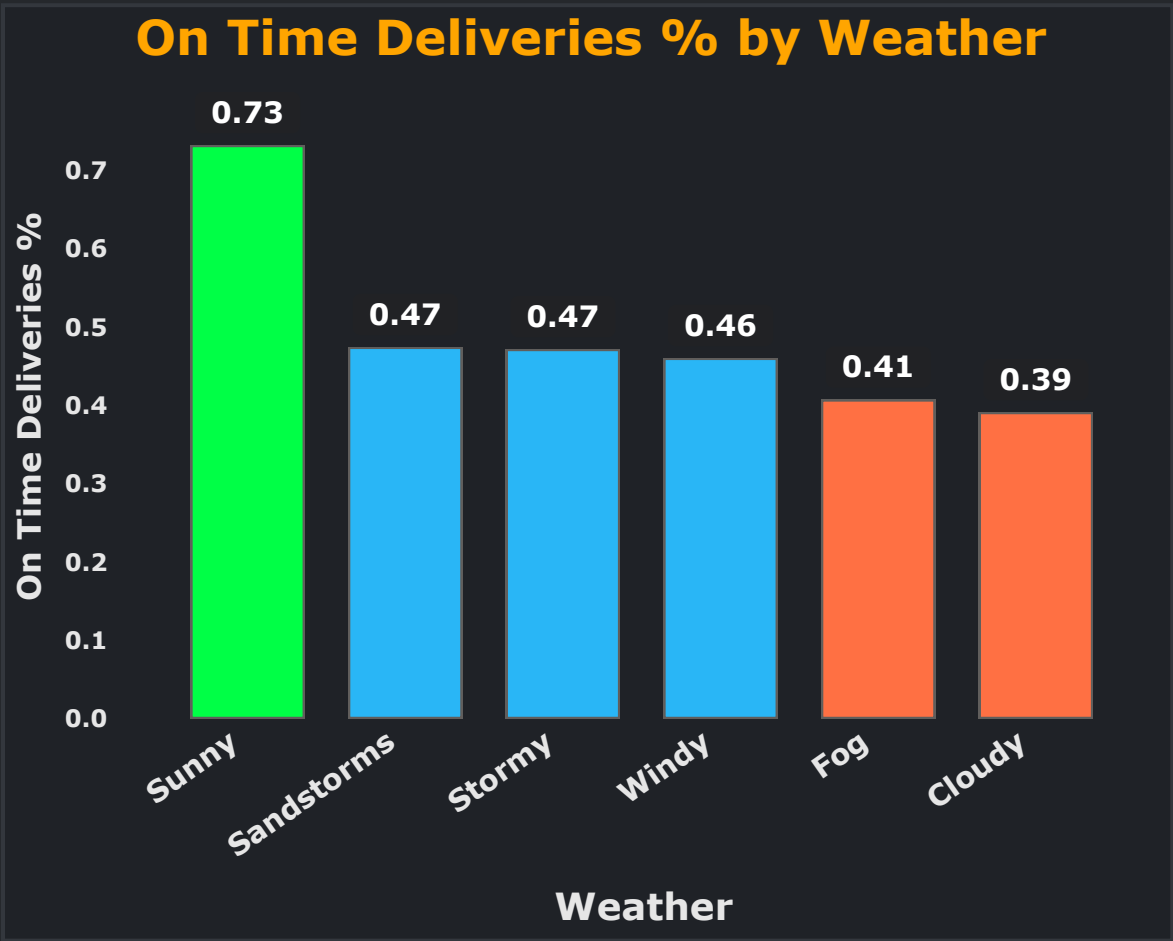
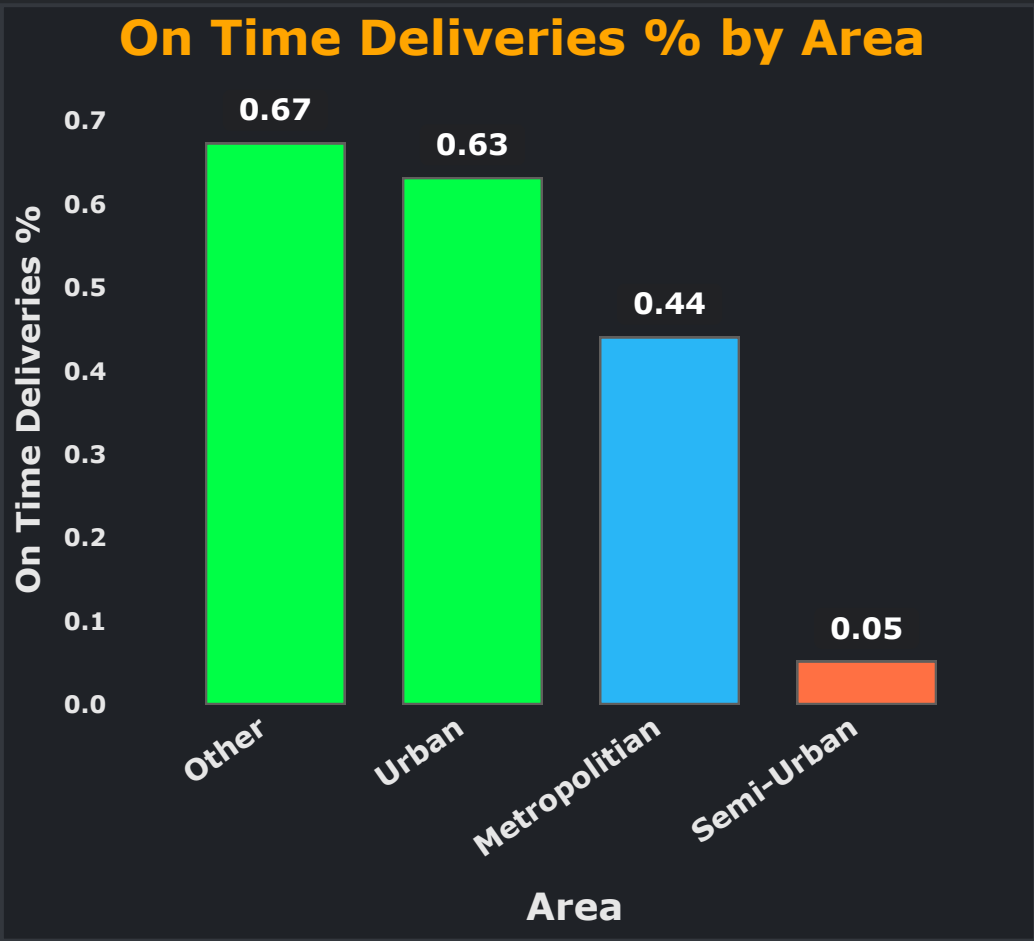
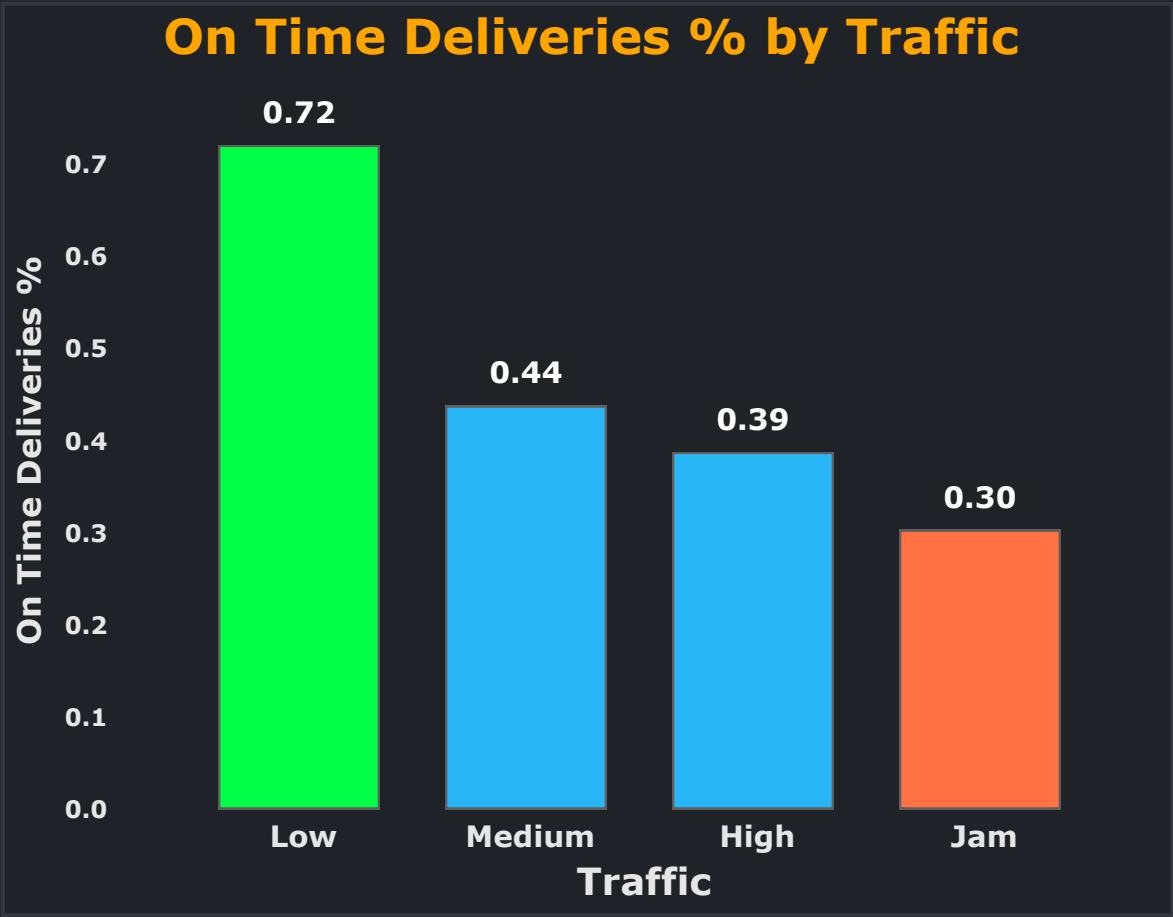
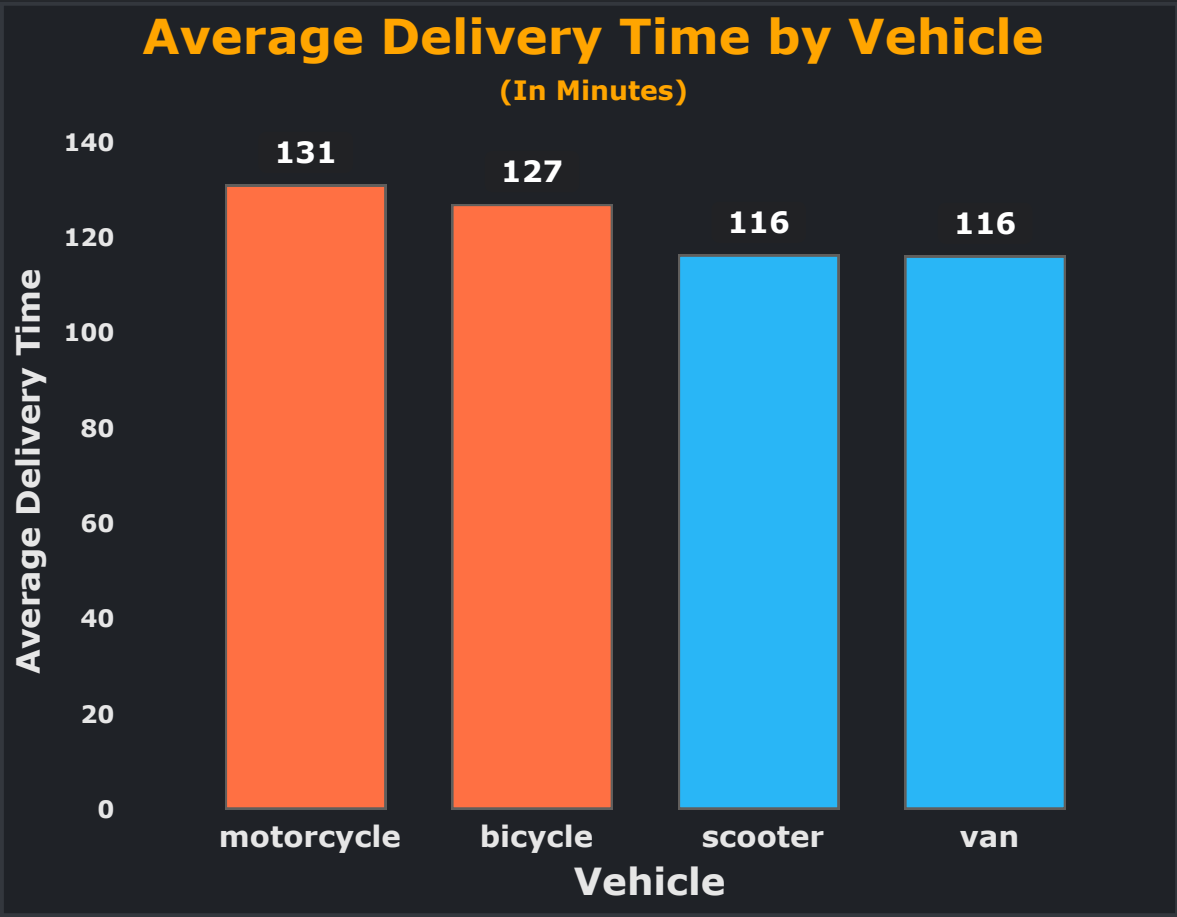
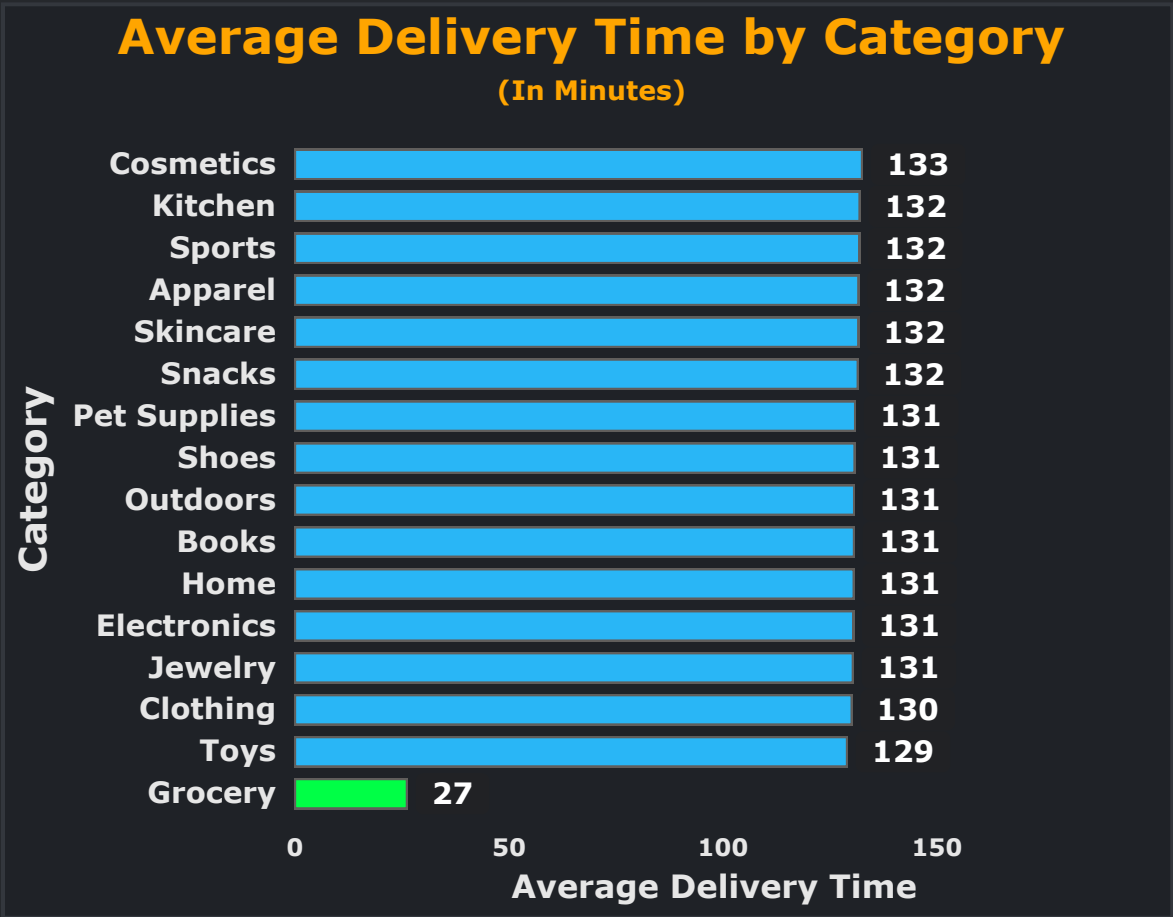
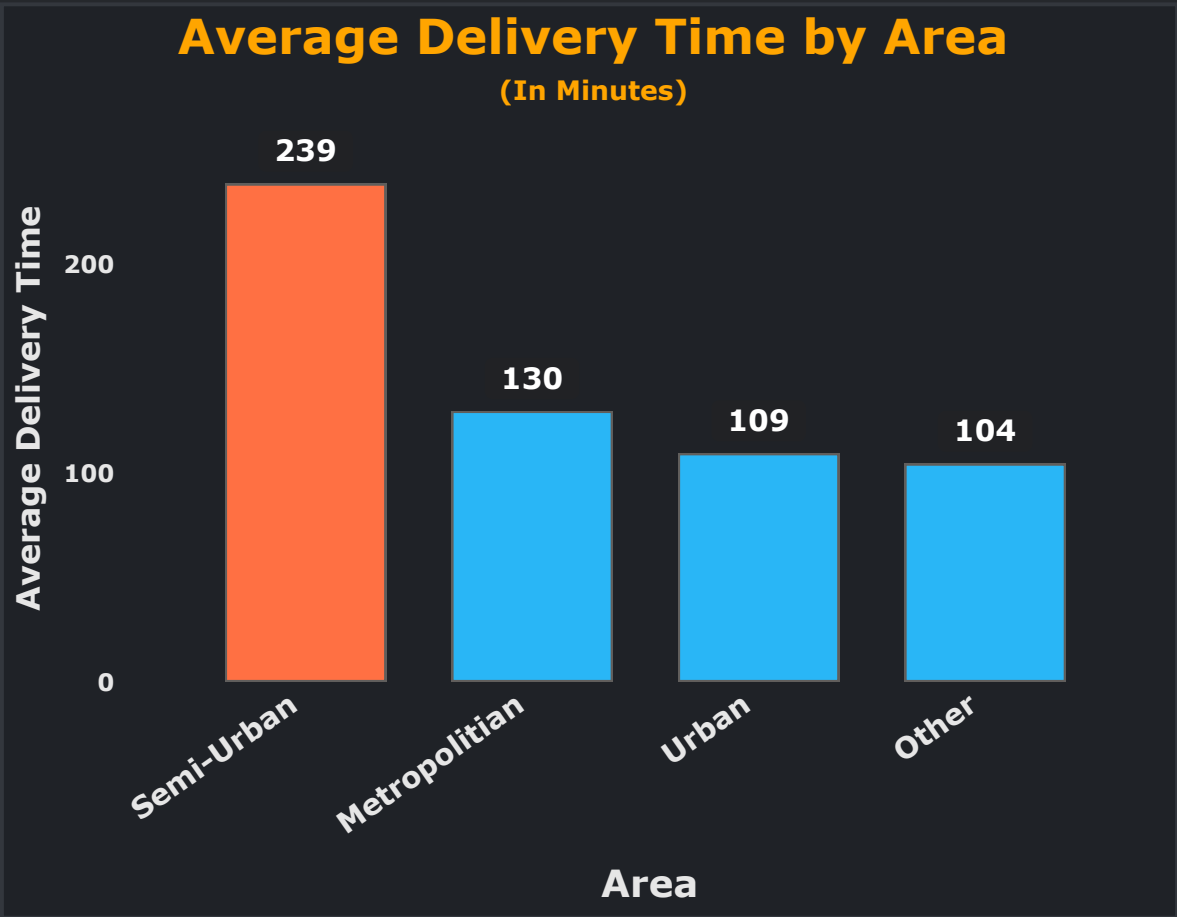


# Amazon Last-Mile Logistics Dashboard



Company-wide metrics overview for Amazon last-mile delivery operations

# Delivery Performance

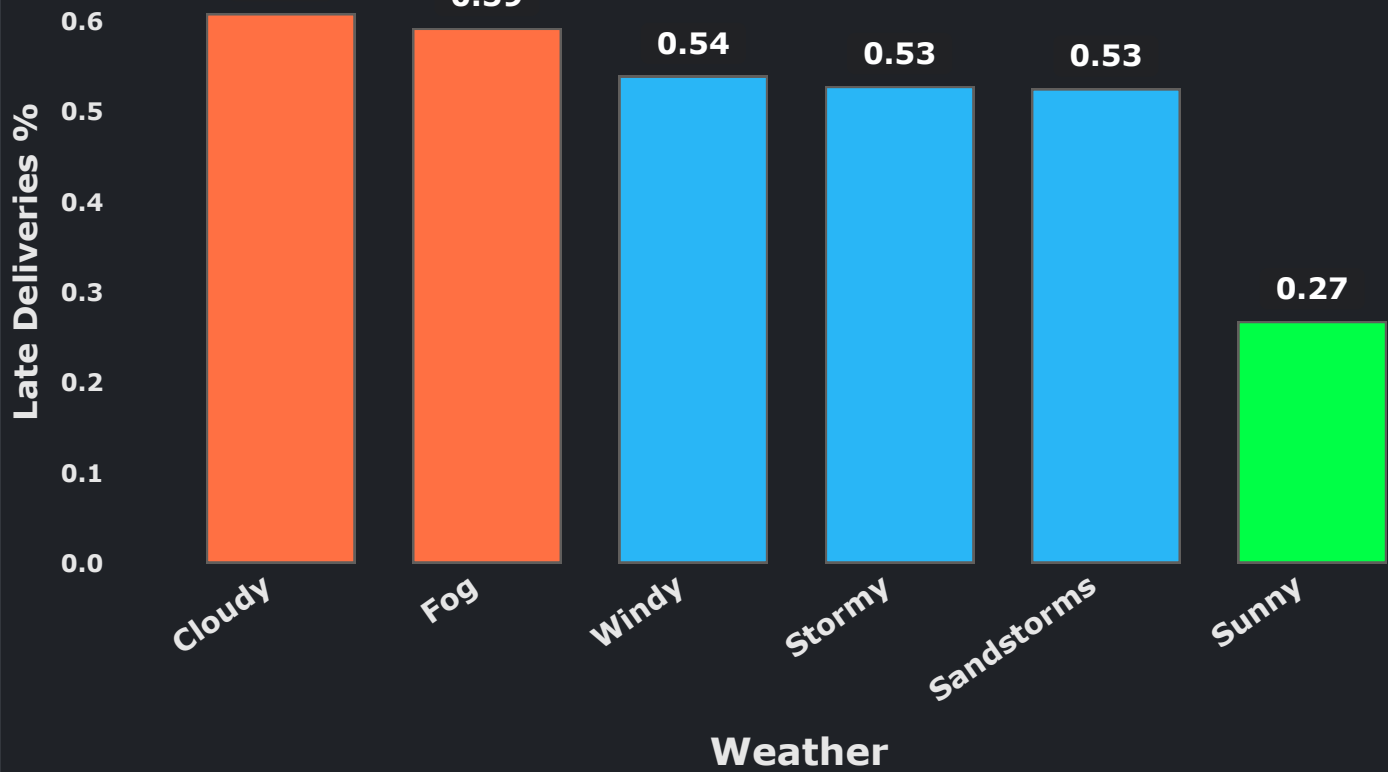


# Late Delivery Analysis

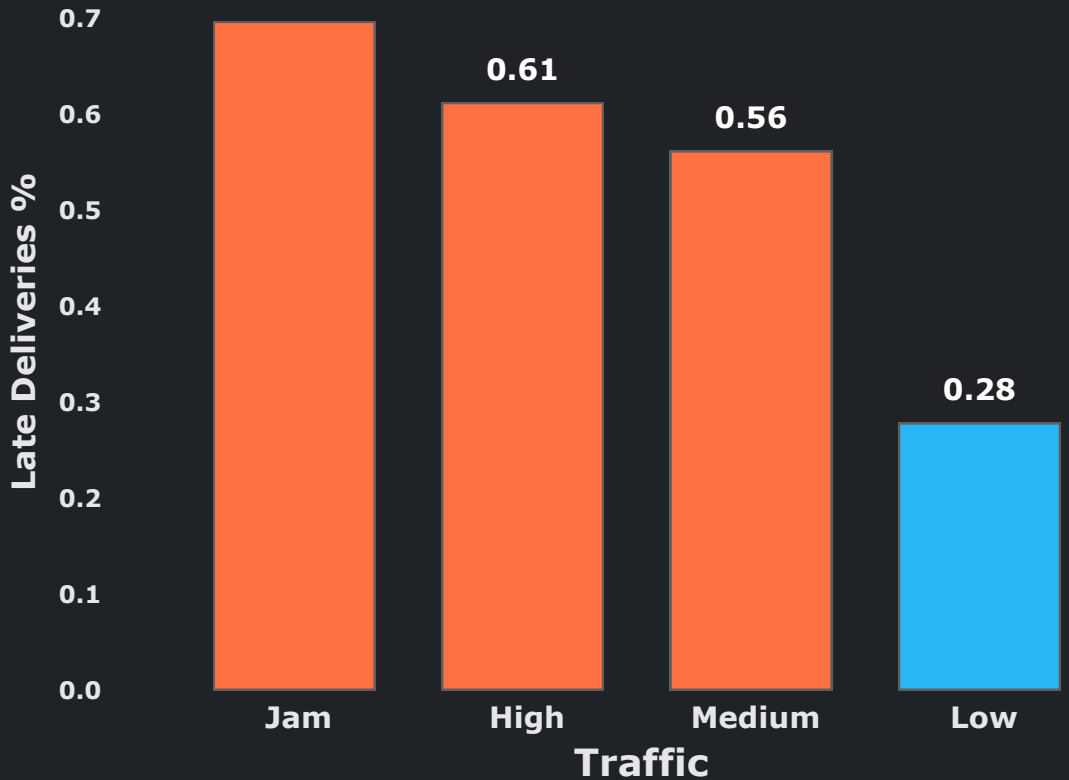
Filter by Area

Metropolitan	Semi-Urban
Other	Urban

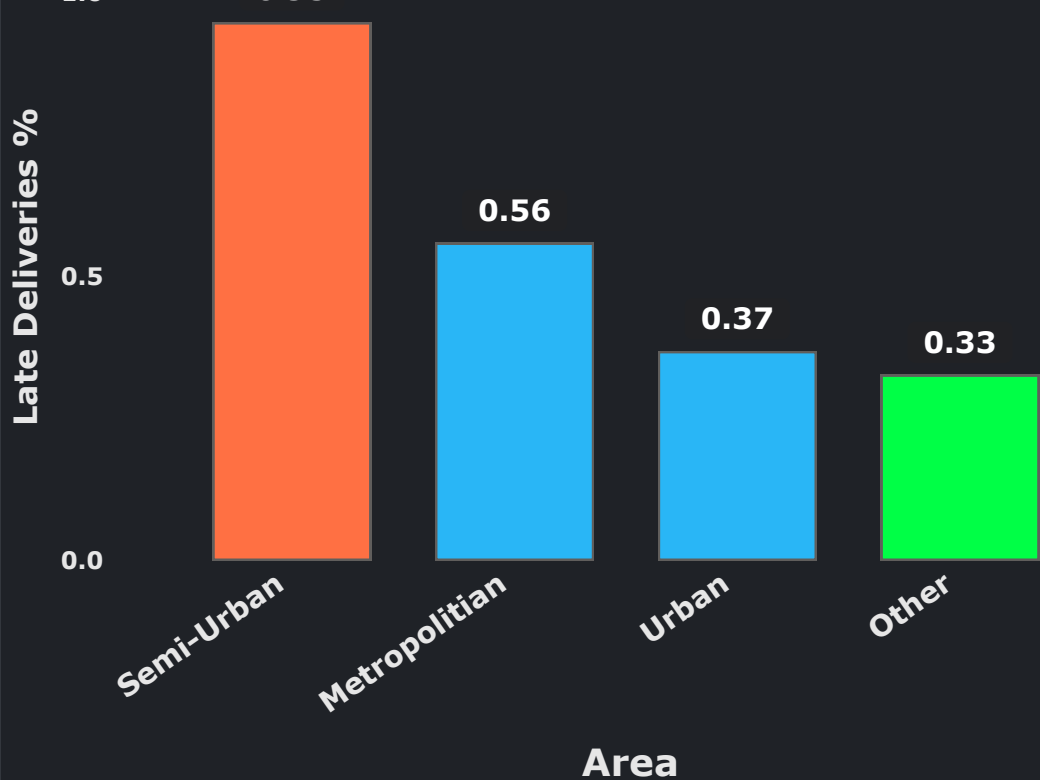
Late Deliveries % by Weather



Late Deliveries % by Traffic



Late Deliveries % by Area



# Operational Insights

Orders by Vehicle Type and Traffic Condition

Vehicle		High	Jam	Low	Medium
motorcycle	8	2529	7960	8821	6209
scooter	32	1429	4625	4999	3554
van	36	338	1140	1179	865
bicycle	15				

Orders by Category and Delivery Area

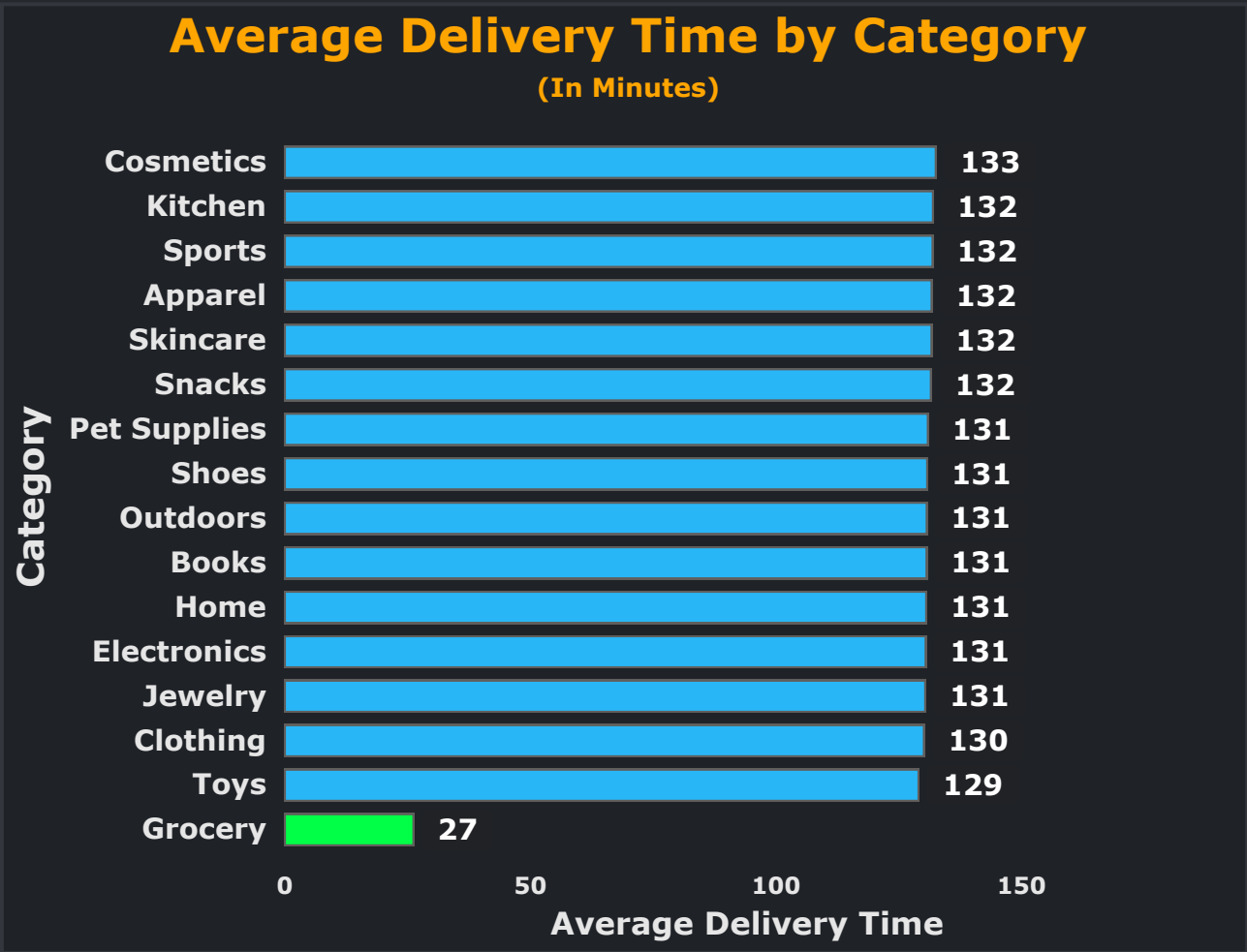
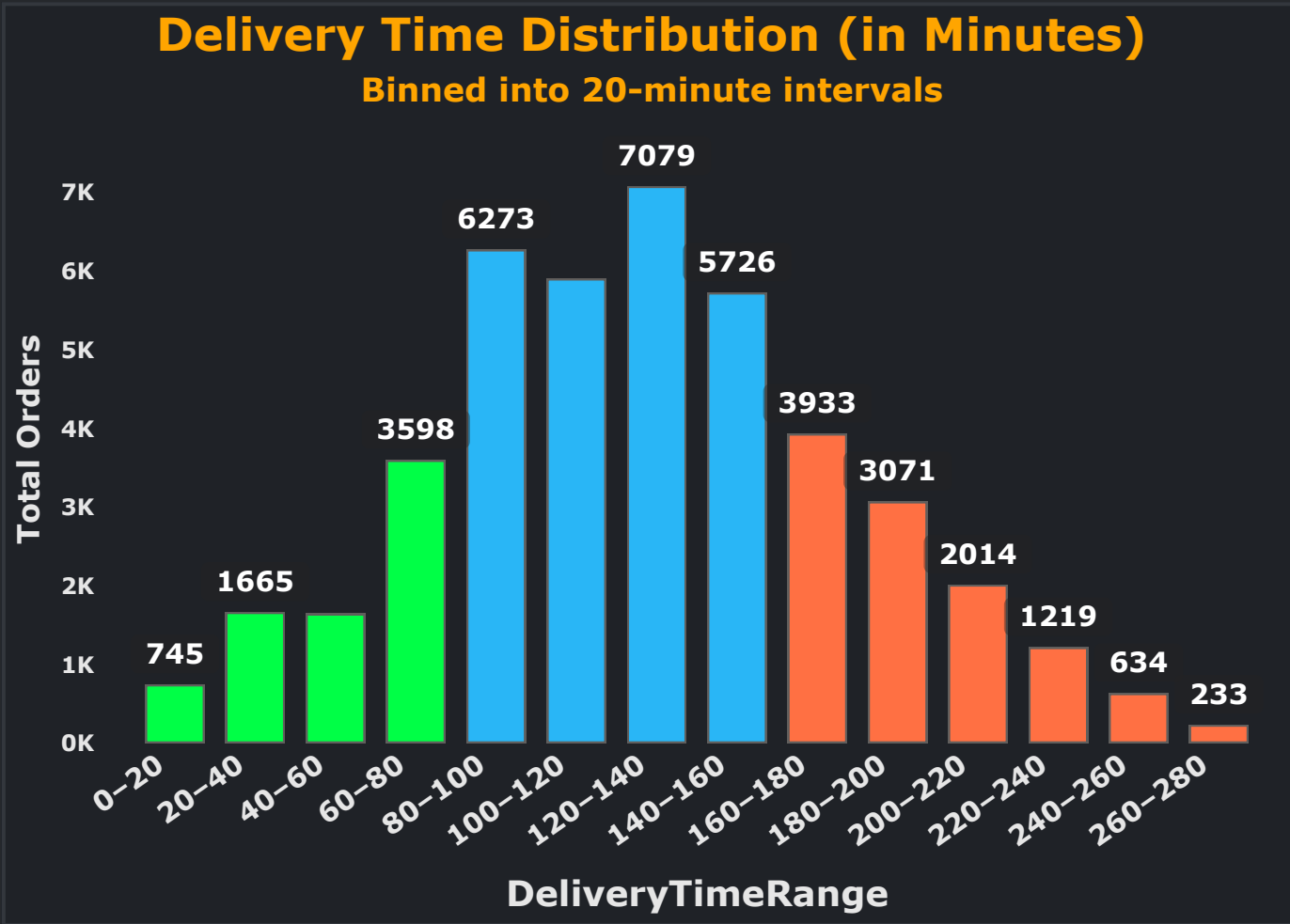
Category	Metropolitan	Other	Semi-Urban	Urban
Apparel	2049	62	13	602
Books	2086	72	7	659
Clothing	1999	68	9	591
Cosmetics	1995	68	9	605
Electronics	2125	71	11	642
Grocery	2026	75	8	582
Home	1995	67	6	617
Jewelry	2071	77	14	640
Kitchen	2029	82	10	552
Outdoors	2048	59	5	635
Pet Supplies	2023	71	5	591
Shoes	2018	54	6	588
Skincare	2048	76	14	634
Snacks	2046	78	11	635
Sports	2057	76	11	575
Toys	2083	82	13	603

# Amazon Last-Mile Delivery - Performance Summary.



## Key Insights

- a. Metropolitan areas accounted for an approximate 62% of total orders.
- b. High-traffic zones show 150% more delays compared to low-traffic regions.
- c. 91 entries were missing in both the weather and traffic datasets (data quality issue).
- d. 38 orders were delivered by under-age agents (15 years old) — compliance risk.
- e. Cloudy weather conditions result in 126% more late deliveries compared to sunny weather.
- f. Electronics holds the position as the highest-selling category.
- g. 3,505 records are missing valid store location data, as both latitude and longitude are recorded as 0.
- h. Late deliveries exceed on-time deliveries even with a 120-minute delivery threshold, indicating systemic operational delays.
- i. Groceries demonstrate the highest delivery efficiency, recording the lowest average delivery time of 27 minutes.



## Recommendations

- a. Optimize delivery agent staffing during peak order hours (18:00 – 24:00).
- b. Improve routing for high-traffic areas to reduce delays.
- c. Validate store GPS inputs and rectify the 3,505 records where coordinates are invalid (Lat/Long = 0).
- d. Address missing weather/traffic records with improved data logging.
- e. Investigate & remove under-age agents from deliveries.
- f. Recruit additional part-time delivery agents specifically to cover the high-demand window (e.g.,18:00 – 24:00).

Top Issue Identified: Late deliveries exceed on-time deliveries, even with a generous 120-minute delivery threshold.