Overview Dashboard | Delivery Partner performance | Factors Affecting Delay | Customer demands & Peak hours | Predict late deliveries & Next 5 Week Forecast

# Delivery Performance Overview

City: Metropolitian | Semi-Urban | Urban

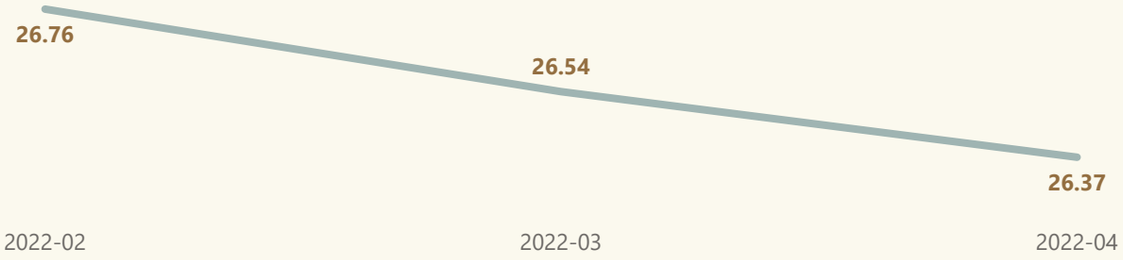
Festival: No | Yes

## Total Deliveries
41K

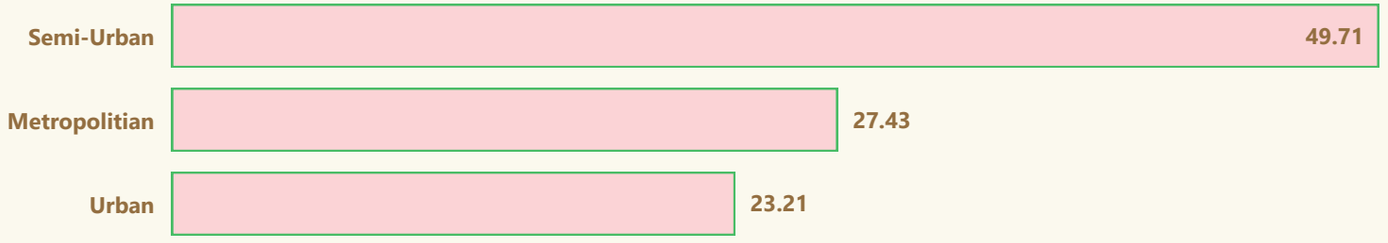
## Average Delivery time
26.55

## Average Rating
4.63

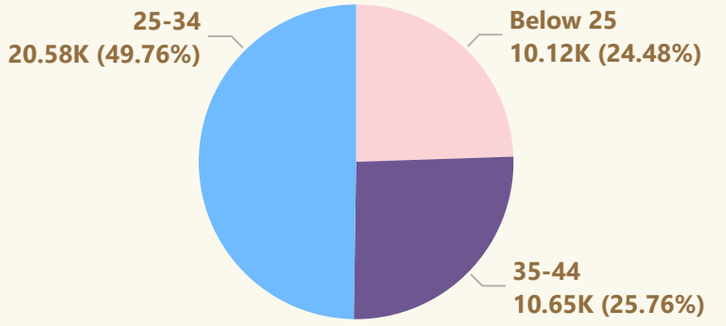
### Average Delivery Time Trend
Last 3 Months



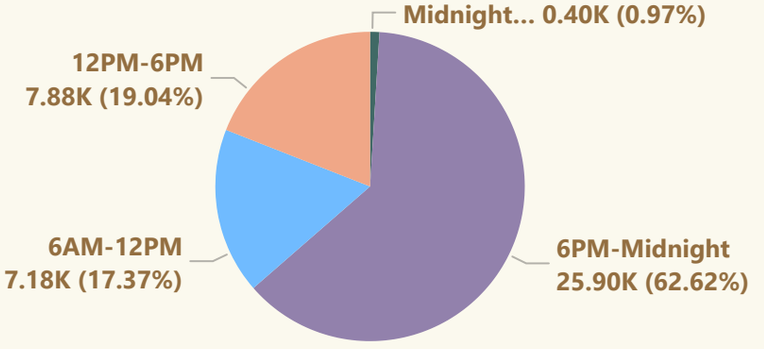

### Average Delivery Time by City
Last 3 Months




### Delivery Efficiency Across Age Groups
Younger age groups tend to deliver faster




### Deliveries by Time Segment
Majority of Orders Placed Between 6 PM and Midnight



Overview Dashboard | Delivery Partner performance | Factors Affecting Delay | Customer demands & Peak hours | Predict late deliveries & Next 5 Week Forecast

# Delivery Partner Performance

Festival: No | Yes

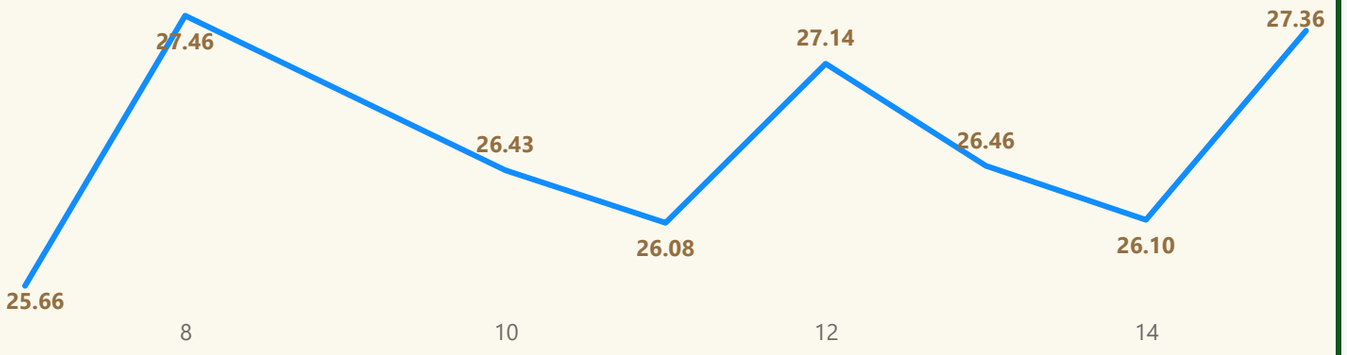
Type_of_vehicle: electric_scooter | motorcycle | scooter

City: Metropolitian | Semi-Urban | Urban

| Total Orders | Late | On-Time |
|---|---|---|
| 41.36K | 30.60% | 69.40% |

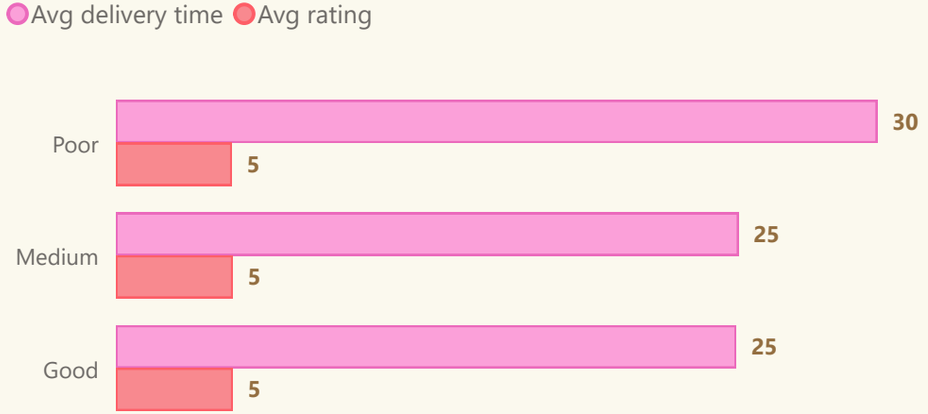
## Weekly Trend of Average Delivery Time

Delivery time varies week to week, showing performance fluctuations



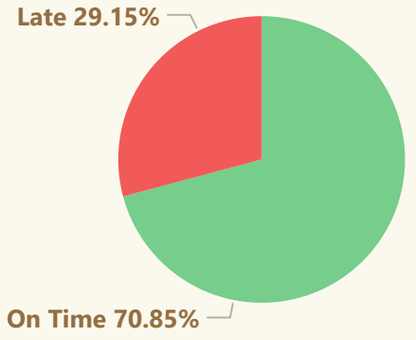

## Analyzing how vehicle maintenance impacts delivery speed and customer satisfaction

Good vehicles = faster delivery & better ratings



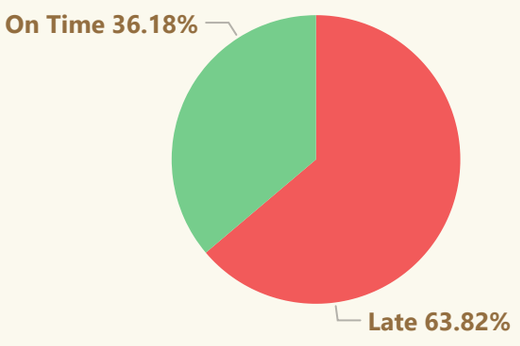

## Impact of Delivery Timing on Ratings

Higher ratings observed with timely deliveries




## Delivery Timeliness by Completion Status

Late deliveries account for the majority



# Factors Affecting Delay

Festival: No | Yes

Type_of_vehicle: electric_scooter | motorcycle | scooter

City: Metropolitian | Semi-Urban | Urban

**Total Orders**
41.36K

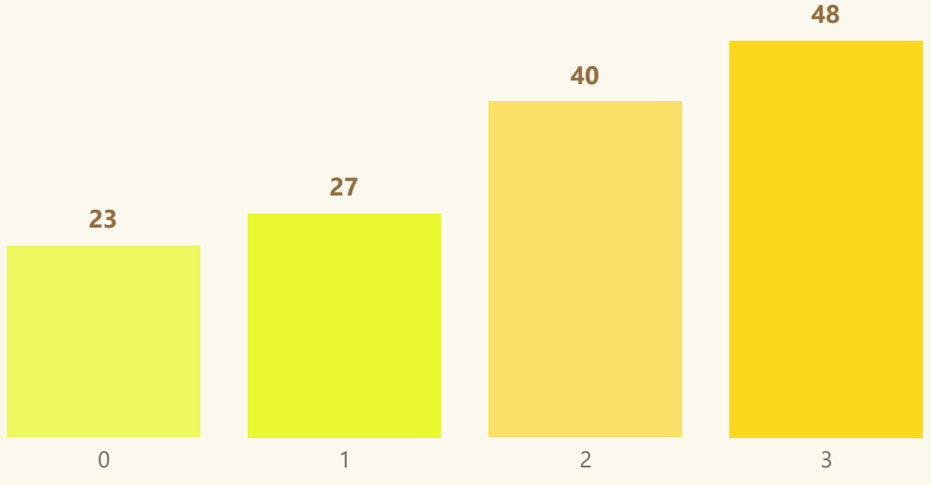
**Late**
30.60%

## Avg Delivery Time by Traffic & Weather

| Road_traffic_density | Cloudy | Fog | Sandstorms | Stormy | Sunny | Windy |
|---|---|---|---|---|---|---|
| Medium | 28.73 | 28.30 | 27.85 | 27.76 | 20.45 | 27.93 |
| Low | 22.43 | 22.50 | 20.52 | 20.84 | 21.72 | 20.94 |
| Jam | 36.76 | 36.88 | 30.20 | 30.14 | 23.38 | 30.36 |
| High | 29.06 | 28.46 | 27.89 | 27.95 | 23.74 | 27.22 |

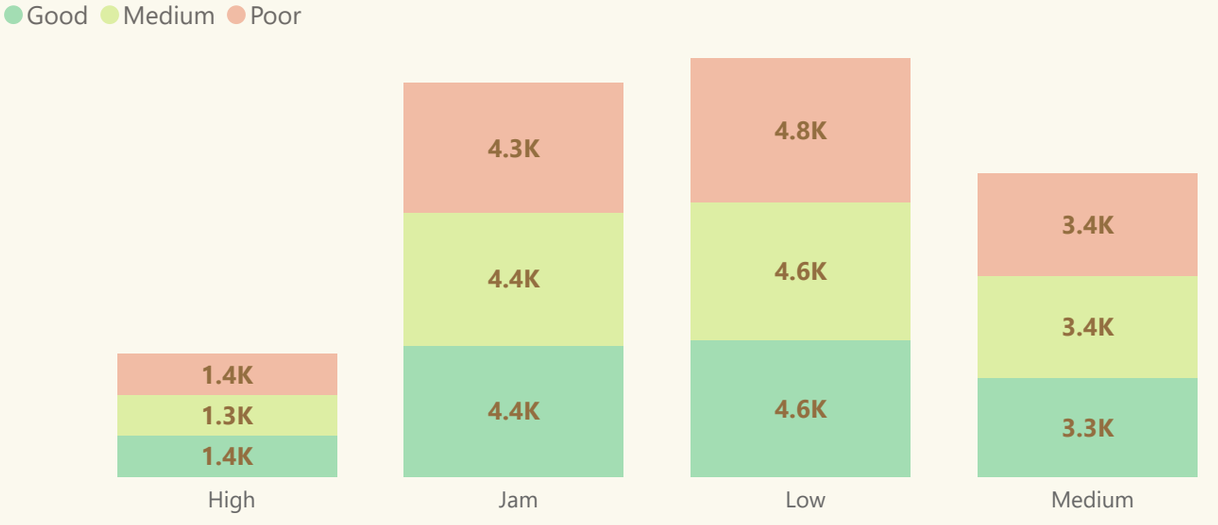
## Avg delivery time if multiple orders

More time taken when deliver multiple orders




## Order Distribution by Traffic and Vehicle Condition

Most orders are completed in normal traffic with good vehicle condition



Overview Dashboard | Delivery Partner performance | Factors Affecting Delay | Customer demands & Peak hours | Predict late deliveries & Next 5 Week Forecast

# Customer demands & peak hours

**Festival**: No | Yes

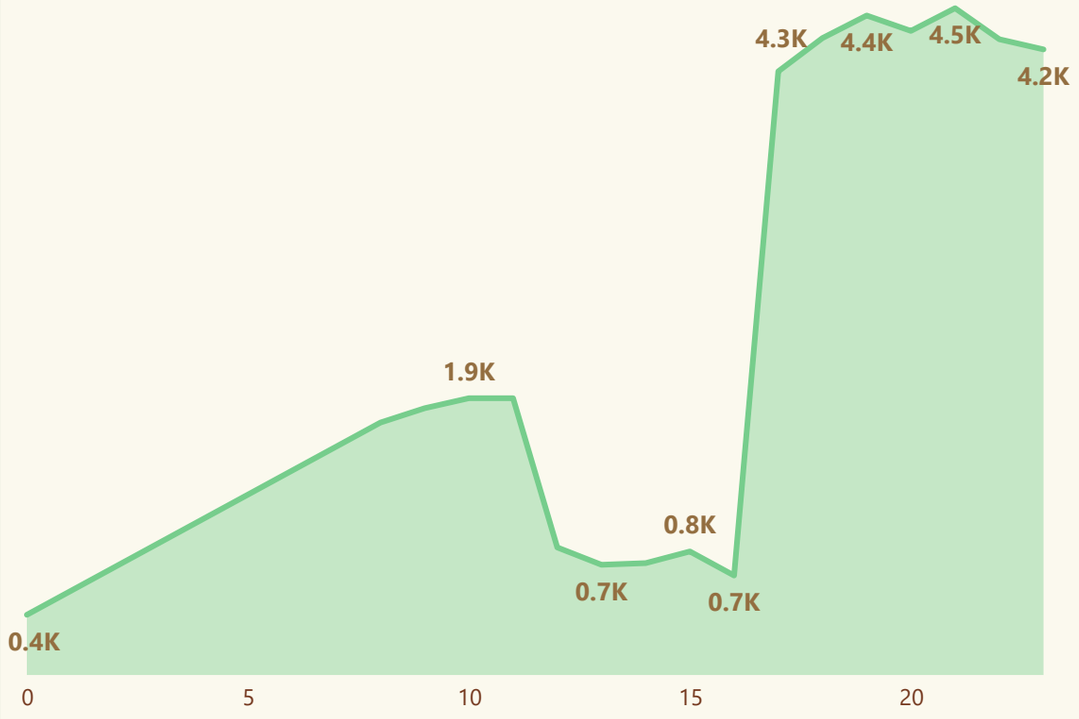
**Time_Bucket**: 12PM-6PM | 6AM-12PM | 6PM-Midnight | Midnight-6AM

**City**: Metropolitian | Semi-Urban | Urban

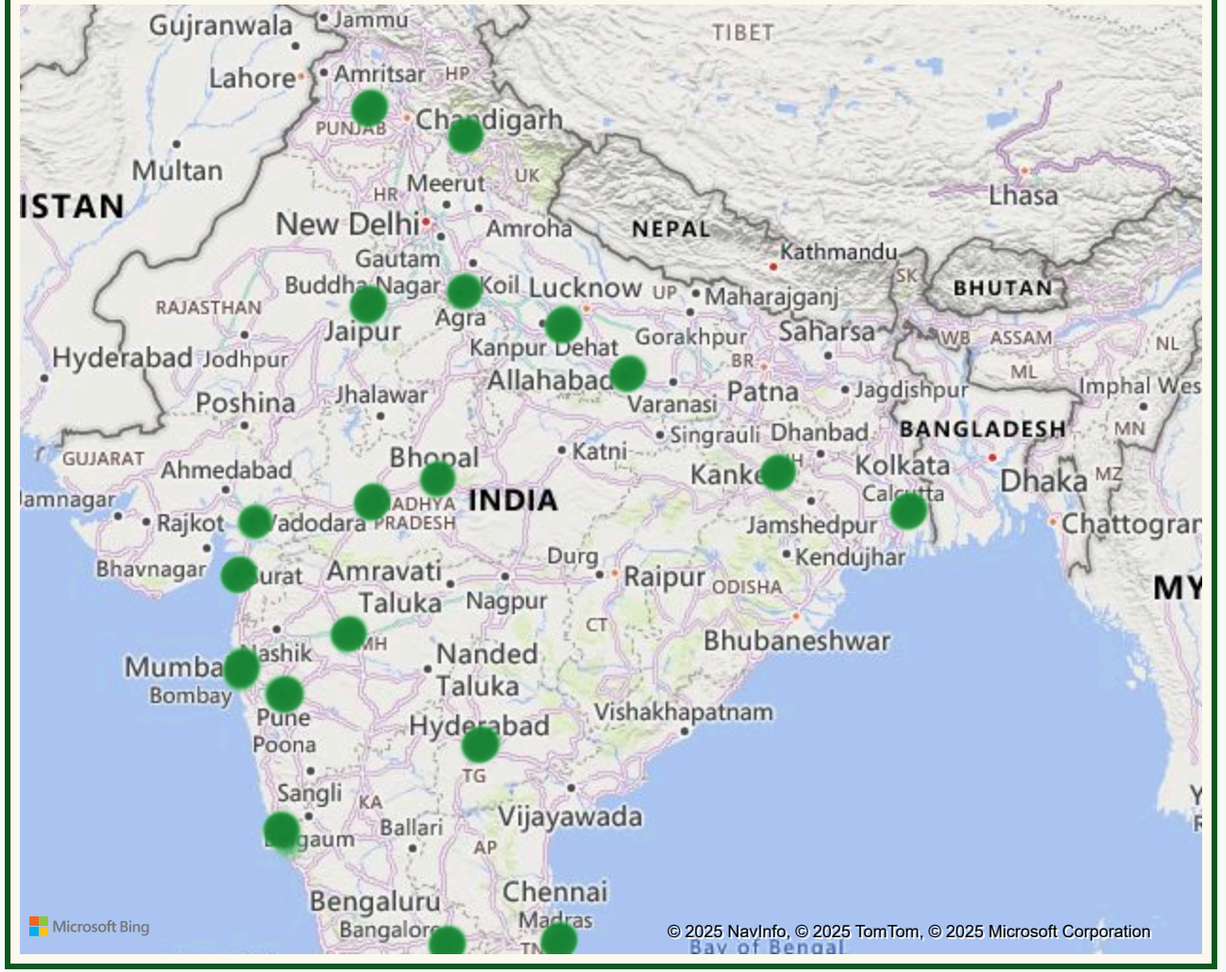
**Total Orders**
41.36K

## Hourly Distribution of Orders

In Evening most order are placed




## High Demand Area



Overview Dashboard | Delivery Partner performance | Factors Affecting Delay | Customer demands & Peak hours | Predict late deliveries & Next 5 Week Forecast

# Predict Late Deliveries & Next 5 Week Forecast

Type_of_vehicle: electric_scooter | motorcycle | scooter

City: Metropolitian | Semi-Urban | Urban

Festival: No | Yes

Time_Bucket: 12PM-6PM | 6AM-12PM | 6PM-Midnight | Midnight-6AM

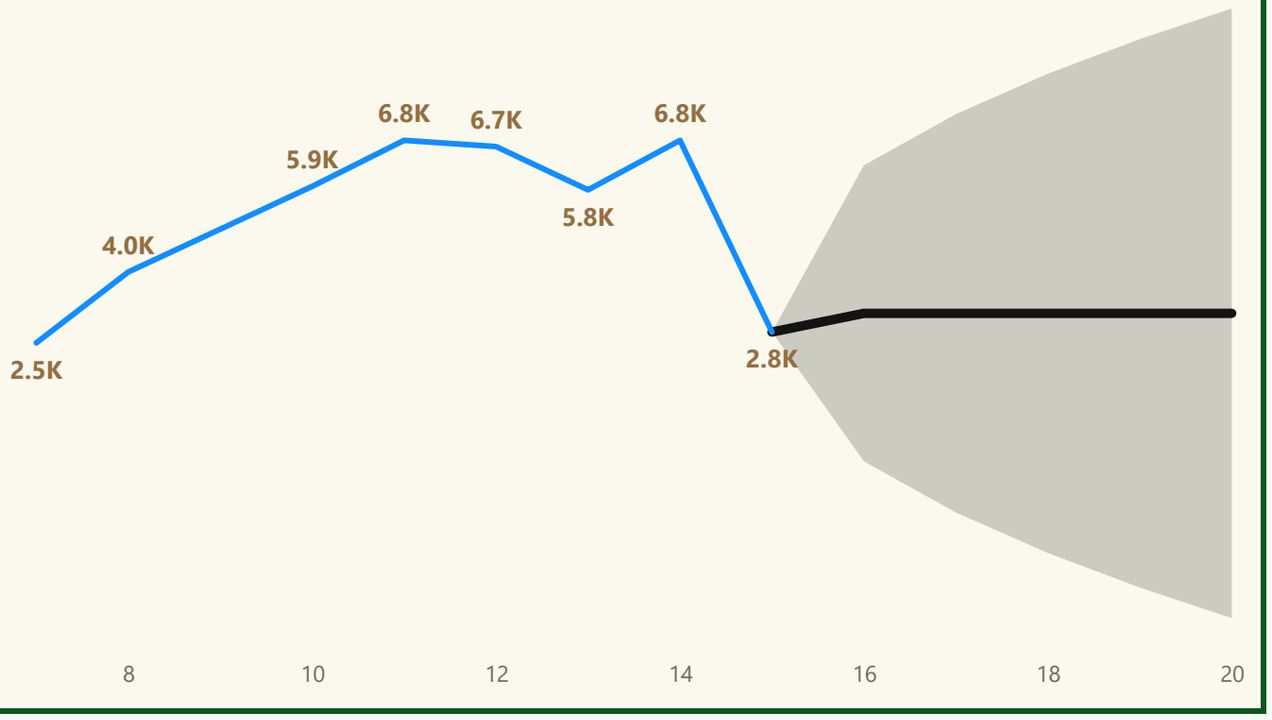
| Total Orders | Late | On-Time |
|---|---|---|
| 41.36K | 30.60% | 69.40% |

## When and Where Delays Happen: Traffic vs Time Analysis

| Time_Bucket | High | Jam | Low | Medium |
|---|---|---|---|---|
| Midnight-6AM | | | 22.35 | |
| 6PM-Midnight | | 31.40 | 22.68 | 27.46 |
| 6AM-12PM | 27.43 | | 19.70 | |
| 12PM-6PM | 27.39 | | | 26.42 |

## Top Delay Scenarios: Combined Impact of Traffic, Weather & Timing

| Risk_Combo | Late_Percentage | Total Deliveries |
|---|---|---|
| 6PM-Midnight \| Jam \| Fog | 76.36% | 2305 |
| 6PM-Midnight \| Jam \| Cloudy | 75.30% | 2190 |
| 6PM-Midnight \| Medium \| Cloudy | 56.22% | 756 |
| 6PM-Midnight \| Jam \| Windy | 46.38% | 2199 |
| 6PM-Midnight \| Jam \| Sandstorms | 45.28% | 2215 |

## 5-Week Forecast Based on Past Order Patterns

Orders dropped after week 14 but are expected to stay steady around 2.8K in the next 5 weeks.
There may be some ups and downs, so it's good to keep an eye on the trend.