**🚗 Uber Ride Analytics Dataset 2024**

This dataset captures **ride-sharing operations from Uber in 2024**, offering detailed insights into booking patterns, cancellations, revenue, vehicle performance, and customer satisfaction.

**📊 Dataset Overview**

* **Total Bookings:** 148,770 rides
* **Successful Rides:** 93K (Success Rate: 65.96%)
* **Cancellations:** 37.43K (25%)
  + Customer Cancellations: 27K (19.15%)
  + Driver Cancellations: 10.5K (7.45%)

**📋 Data Schema**

| **Column Name** | **Description** |
| --- | --- |
| Date | Date of the booking |
| Time | Time of the booking |
| Booking ID | Unique identifier for each ride booking |
| Booking Status | Status of booking (Completed, Cancelled by Customer, Cancelled by Driver, etc.) |
| Customer ID | Unique identifier for customers |
| Vehicle Type | Type of vehicle (Go Mini, Go Sedan, Auto, eBike/Bike, UberXL, Premier Sedan) |
| Pickup Location | Starting location of the ride |
| Drop Location | Destination location of the ride |
| Avg VTAT | Average Vehicle Time at Arrival |
| Avg CTAT | Average Customer Time at Arrival |
| Cancelled Rides by Customer | Customer-initiated cancellation flag |
| Reason for Cancelling by Customer | Reason for customer cancellation |
| Cancelled Rides by Driver | Driver-initiated cancellation flag |
| Driver Cancellation Reason | Reason for driver cancellation |
| Incomplete Rides | Incomplete ride flag |
| Incomplete Rides Reason | Reason for incomplete rides |
| Booking Value | Total fare amount for the ride |
| Ride Distance | Distance covered during the ride (in km) |
| Driver Ratings | Rating given to driver (1-5 scale) |
| Customer Rating | Rating given by customer (1-5 scale) |
| Payment Method | Method used for payment (UPI, Cash, Credit Card, Uber Wallet, Debit Card) |

**🚗 Vehicle Fleet Coverage**

| **Vehicle Type** | **Total Bookings** | **Success Rate** | **Avg Distance (km)** | **Total Distance (km)** |
| --- | --- | --- | --- | --- |
| Auto | 12.88M | 91.1% | 25.99 | 602K |
| eBike/Bike | 11.46M | 91.1% | 26.11 | 537K |
| Go Mini | 10.34M | 91.0% | 25.99 | 482K |
| Go Sedan | 9.37M | 91.1% | 25.98 | 433K |
| Premier Sedan | 6.28M | 91.2% | 25.95 | 292K |
| UberXL | 1.53M | 92.2% | 25.72 | 72K |

**💰 Revenue Distribution by Payment Method**

* **UPI:** ~40% of total revenue
* **Cash:** ~25%
* **Credit Card:** ~15%
* **Uber Wallet:** ~12%
* **Debit Card:** ~8%

**🚫 Cancellation Patterns**

**Customer Cancellation Reasons:**

* Wrong Address: 22.5%
* Driver Issues: 22.4%
* Driver Not Moving: 22.2%
* Change of Plans: 21.9%
* App Issues: 11.0%

**Driver Cancellation Reasons:**

* Capacity Issues: 25.0%
* Customer Related Issues: 25.3%
* Personal & Car Issues: 24.9%
* Customer Behavior: 24.8%

**⭐ Rating Analysis**

* **Customer Ratings:** 4.40 – 4.41 (high across all vehicle types)
* **Driver Ratings:** 4.23 – 4.24 (slightly lower but stable)
* **Highest Customer Rated:** Go Sedan (4.41)
* **Most Satisfied Drivers:** UberXL (4.24)

**📈 Data Quality**

* **Completeness:** Comprehensive coverage with minimal missing values
* **Consistency:** Standardized vehicle types and booking status categories
* **Temporal Coverage:** Full year 2024 (daily granularity)
* **Geographic Scope:** Multiple pickup and drop locations
* **Balanced Distribution:** Good representation across vehicles & time periods