

Uber Stock Analysis Dashboard - User Guide

Overview

This interactive dashboard provides comprehensive analysis of Uber stock data from May 10, 2019 to February 5, 2025. The dashboard includes various visualizations, technical indicators, and statistical summaries to help you understand Uber's stock performance over time.

Dashboard Access

The dashboard is permanently deployed and accessible at: <https://iizwpvpk.manus.space>

Features

Dashboard Tab

- **Stock Summary:** Key performance metrics including overall return, annualized return, volatility metrics, and trading statistics
- **Interactive Price Chart:** Visualize stock price with multiple view options:
 - Price with 50-day and 200-day moving averages
 - OHLC (Open-High-Low-Close) candlestick view
 - Volume analysis
 - Daily returns
 - Technical indicators (MACD, RSI)
 - Bollinger Bands
- **Time Range Selection:** Filter data by different time periods (1 month to all-time)
- **Interactive Tooltips:** Hover over charts to see detailed information

Data Table Tab

- **Sortable Data Table:** View and sort all stock data by any column
- **Pagination:** Navigate through all historical data

- **Color-Coded Values:** Green/red indicators for positive/negative returns and overbought/oversold RSI values

Technical Analysis Guide Tab

- **Educational Content:** Learn about different technical indicators
- **Visual Examples:** See real examples of indicators applied to Uber stock
- **Interpretation Guidelines:** Understand how to interpret signals from various indicators

Key Findings

From the analysis of Uber stock data (May 2019 - February 2025):

- **Overall Performance:** Uber stock achieved a 55.11% total return over the period
- **Annualized Return:** 7.94% annualized return
- **Volatility:** Average 20-day volatility of 3.03
- **Daily Returns:** Average daily return of 0.09%
- **Trading Days:** 48.82% positive days vs 50.55% negative days
- **Price Range:** Highest price of \$87.00 vs lowest price of \$13.71
- **Extreme Movements:** Maximum daily gain of 38.26% and maximum daily loss of 21.63%

Technical Indicators Included

1. **Moving Averages (50-day and 200-day)**
2. Trend identification and potential support/resistance levels
3. **MACD (Moving Average Convergence Divergence)**
4. Momentum indicator showing relationship between two moving averages
5. Signal line crossovers indicate potential buy/sell opportunities
6. **RSI (Relative Strength Index)**
7. Momentum oscillator measuring speed and change of price movements
8. Values above 70 indicate potential overbought conditions
9. Values below 30 indicate potential oversold conditions
10. **Bollinger Bands**

11. Volatility bands placed above and below a moving average
12. Help identify relative price highs and lows
13. Band width indicates market volatility

Using the Dashboard

1. **Navigation:** Use the tabs at the top to switch between Dashboard, Data Table, and Technical Analysis Guide
2. **Chart Interaction:**
3. Use the time range selector to adjust the view period
4. Switch between different chart types using the tabs
5. Hover over charts for detailed information
6. Use the brush tool at the bottom of charts to zoom into specific time periods
7. **Data Table:**
8. Click column headers to sort data
9. Use pagination controls to navigate through all records

Data Sources and Methodology

The analysis is based on historical Uber stock data from May 10, 2019 to February 5, 2025, including: - Daily OHLC (Open, High, Low, Close) prices - Trading volume - Calculated metrics including daily returns, volatility, and various technical indicators

Technical indicators were calculated using standard formulas: - Moving Averages: Simple arithmetic mean of closing prices - MACD: Difference between 12-period and 26-period exponential moving averages - RSI: Relative strength formula based on average gains and losses over 14 periods - Bollinger Bands: 20-period moving average with bands at 2 standard deviations

Feedback and Support

For any questions or feedback about this dashboard, please contact the creator.