

Tesla Global Deliveries Analysis

Analysis of the Past 10 Years
and Future Prediction

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ABSTRACT

This project analyzes Tesla's long-term growth trends and predicts its future performance based on global delivery data from the past decade. By analyzing annual delivery figures across different regions and car models, the study investigates changes in Tesla's deliveries over the last ten years, identifies the years of most significant growth, and compares differences between various markets and vehicle types.

This project uses a time series forecasting model to predict 2026 global deliveries, capturing both long-term trends and short-term volatility. The process utilizes Python for data cleaning, visualization, and modeling. The results are projected to show Tesla's ongoing global expansion and provide a data-driven prediction of its future growth potential.

KEYWORDS

Tesla, Global Deliveries, Time Series Forecasting, Data Analysis, Predictive Modeling, Market Expansion.

1 Introduction

Provide an introduction of your topics. Make sure you include the following part. What's your topic? Why is it important or interesting? What's the current research/results in this area. Include necessary citation.

Example format: xxxx.

2 Data

In this part, you should introduce your datasets.

The dataset contains Tesla's annual global delivery data by region and model from 2015 to 2025, with 2015–2024 as historical records and 2025 as an estimated value based on Tesla's Q1–Q3

reports.

2.1 Source of dataset

Where did you download it? Is it a credible source? When were the datasets generated? How were the datasets generated by the creator? If you create the datasets, how did you generate it?

Example: xxxx

The dataset was downloaded from Kaggle, contributed by Rehan Liaquat in 2024. Kaggle is a credible open data platform widely used for academic and analytical research. The dataset was compiled using Tesla's official quarterly and annual reports, along with publicly available delivery data from reputable financial and automotive news sources. It includes verified figures for 2015–2024 and an estimated projection for 2025 based on Tesla's Q1–Q3 2025 reports.

2.2 Characters of the datasets

What's the format and size of the datasets? What parameters/columns/rows/character and their units are included in this dataset. Use a table to explain this is recommended. Did you clean the data or convert any unit in the dataset? If so, what's the formula/rule did you apply? Did you combine any datasets? If so, how do you combine them? Did you create any new category for analysis in the datasets? If so, what and how do you create?

The dataset is in CSV (Comma-Separated Values) format and contains 2,640 rows and 12 columns. It covers Tesla's global delivery data from 2015 to 2025, including detailed information by region and vehicle model. The total file size is approximately 250 KB.

Data Cleaning and Processing

Format adjustment: Removed extra spaces and standardized column names for consistency.

Unit conversion: None required (all numeric fields already in consistent units).

Data combination: No additional datasets were merged; all analysis is based on this single Kaggle dataset.

*Article Title Footnote needs to be captured as Title Note

†Author Footnote to be captured as Author Note

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5 Discussion

Every method/project has its shortage or weakness. Please discuss the unsatisfied results in your project. And discuss the feasible suggestions of future work to revise/improve your result.

6 Conclusion

In this part, you should summarize your project. What important results did you find for your topic and what's the effect of this result on the real-world?

ACKNOWLEDGMENTS

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REFERENCES

Use the following ACM Reference format for your citation

FirstName Surname, FirstName Surname and FirstName Surname. 2018. Insert Your Title Here: Insert Subtitle Here. In *Proceedings of ACM Woodstock conference (WOODSTOCK'18)*. ACM, New York, NY, USA, 2 pages. <https://doi.org/10.1145/1234567890>

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