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Advanced Machine Learning Models for Predicting Electric Vehicle Sales Consistent

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Abstract: *The rapid adoption of electric vehicles (EVs) has created a pressing need for accurate and reliable sales forecasting to support manufacturing, policy planning, and infrastructure development. Traditional models often struggle to capture the complexity of factors driving EV sales, such as economic conditions, technological innovations, government incentives, and consumer behaviour. This research employs advanced machine learning techniques, including ensemble models, neural networks, and time series analysis, to address these challenges. By integrating diverse datasets and leveraging feature engineering, the models provide robust and interpretable predictions.*

Comparative analysis reveals the superior performance of ensemble methods in handling nonlinear relationships and uncertainties, offering a scalable framework for dynamic forecasting. The findings aim to assist stakeholders in making informed decisions, fostering sustainable growth in the EV market

Keywords: Machine Learning Model, Predicting the Electric Vehicle Sales Consistent, EV Sales Forecast, Predictive Analytics, Data-Driven Decision Making, Time Series Forecasting

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