

Data Collection and Preprocessing Phase

Date	15 July 2024
Team ID	739956
Project Title	Revolutionizing Automotive Resale: AI-Driven Prediction of Used Toyota Corolla Car Prices
Maximum Marks	2 Marks

Data Collection Plan & Raw Data Sources Identification Template

Elevate your data strategy with the Data Collection plan and the Raw Data Sources report, ensuring meticulous data curation and integrity for informed decision-making in every analysis and decision-making endeavor.

Data Collection Plan Template

Section	Description
Project Overview	The automotive resale market has undergone a significant transformation with the advent of artificial intelligence (AI) and machine learning (ML). Traditionally reliant on subjective assessments and historical sales data, price determination for used cars is now more precise and data-driven. This shift is particularly evident in the prediction of resale prices for used Toyota Corolla cars, a globally popular model. Key factors influencing AI-driven predictions include vehicle data (make, model, year, mileage, condition, and features), market data (current trends, regional variations, and demand-supply dynamics), and economic indicators (fuel prices, interest rates, and overall economic health).

Data Collection Plan	<p>Search for data in different sources like kaggle.com, data.gov, UCI machine learning repository etc.</p> <p>Search for datasets related to predicting Toyota corolla car prices</p>
Raw Data Sources Identified	<p>The raw data sources for this project include datasets obtained from Kaggle, the popular platforms for data science competitions and repositories. The provided sample data represents a subset of the collected information</p>

Raw Data Sources Template

Source Name	Description	Location/URL	Format	Size	Access Permissions
Dataset	<p>The dataset comprises Car details (Id, Model, Price, Age_08_04, Mfg_Year, KM, Fuel Type, HP, Met_Color, Powered_Windows, Power_steering, Radio, Mistlamps, sport_Model, Backseat_Divider, metallic_Rim, Radio_ca</p>	https://www.kaggle.com/datasets/vishakhdapat/price-of-used-toyota-corolla-cars	CSV	221KB	Public

	ssette, parking_Assistant,T ow_Bar.				
--	---	--	--	--	--