**Topic Name :** Car Price Prediction

**Course Name and Class Number:** Artificial Intelligence CSC 5015

**CUW ID:** F00612719

**Student Name:** Srujana Challuri

**Submission Date:** Feb 16 2025

**Professor:** Matthew McCormick

**Title : Implementation of a machine learning system using Azure Machine Learning Studio to predict the price of a car based on different variables like make and technical specifications**

1. **Gather Data**:

Collected data from the Kaggle link below:

<https://www.kaggle.com/datasets/deepcontractor/car-price-prediction-challenge/code>

1. **Upload Data**:

I used the local files option to upload the dataset into the workspace designer section. For the uploaded dataset, please see the screenshot that is attached.

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Description automatically generated

1. **Data exploration and preprocessing of the uploaded dataset are done in the Azure AI & Machine Learning Studio Designer area.**

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**Parameters used for cleaning the missing data:**

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**Results of Cleaned dataset:**

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**Split data to training and testing with the appropriate parameters used :**

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**Results after splitting dataset 1:**

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**Results after splitting dataset 2:**

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**After cleaning and splitting trained the model with Linear Regression:**

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**Results of Trained Model:**

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**Score and Evaluation for predicting the final results:**

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**Final Evaluation Results:**

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