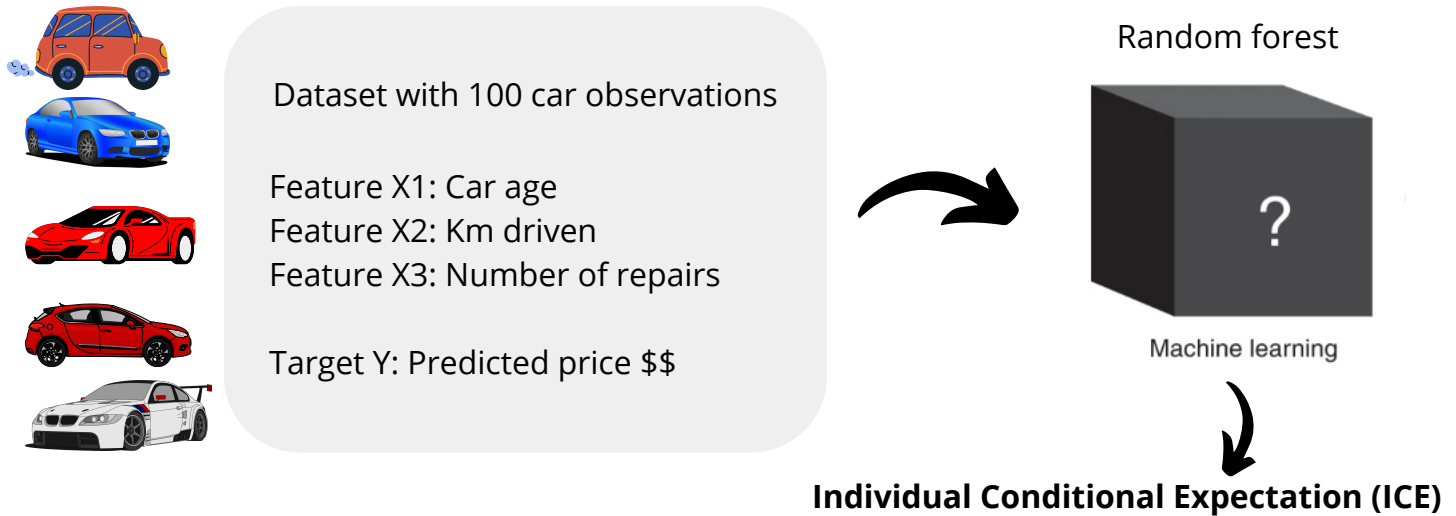
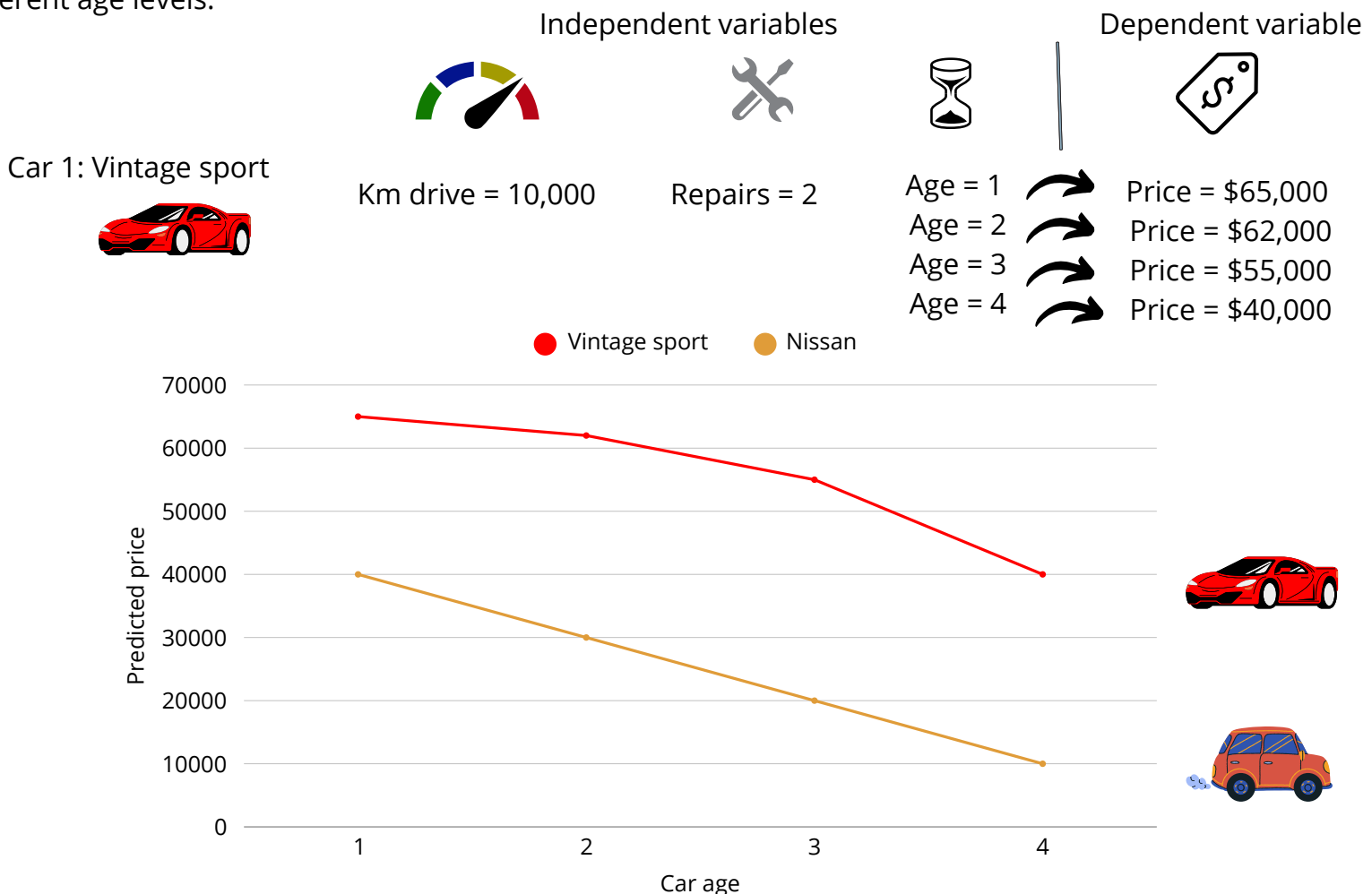


Example of an Individual Conditional Expectation (ICE) for xAI

In this example, our goal is to predict car values. To achieve this, we have a dataset containing 100 different car observations, which we will use to build our machine learning model.



We will generate an Individual Conditional Expectation (ICE) plot to analyze how a car's age affects its predicted price on the random forest. To do this, we will hold all other variables constant and systematically vary only the car's age, allowing us to observe changes in the model's predictions across different age levels.



We would repeat this exercise for each of the 100 cars in our dataset used to build the model. This will help us understand how the predicted price for each instance changes as the car age varies.