if there are no relationship the linear regression can not be used to predict anything.

The r value ranges from -1 to 1, where 0 means no relationship, and 1 (and -1) means 100% related.

The result -0.76 shows that there is a relationship, not perfect, but it indicates that we could use linear regression in future predictions.

In linear regression prediction we predict the speed of a 10 years old car

If your data points clearly will not fit a linear regression (a straight line through all data points), it might be ideal for polynomial regression.

Polynomial regression, like linear regression, uses the relationship between the variables x and y to find the best way to draw a line through the data points.

The result 0.94 shows that there is a very good relationship, and we can use polynomial regression in future predictions

Multiple regression is like [linear regression](https://www.w3schools.com/python/python_ml_linear_regression.asp), but with more than one independent value, meaning that we try to predict a value based on **two or more** variables.

The Pandas module allows us to read csv files and return a DataFrame object.

This object has a method called fit() that takes the independent and dependent values as parameters and fills the regression object with data that describes the relationship:

he result array represents the coefficient values of Selling\_Price', 'Present\_Price

<https://www.geeksforgeeks.org/machine-learning-with-python/>

ml python w3shool

https://www.geeksforgeeks.org/random-forest-classifier-using-scikit-learn/