LOVELY PROFESSIONAL UNIVERSITY



SYNOPSIS REPORT

OF

PROJECT

SUBMITTED TO- SUBMITTEDBY-

**Mam AnkitaWadhawan** **16.YaminiTripathi**

**19.M.V.S.S.Varma**

**21. Ashutosh Dubey**

**24. Rochak Agarwal**



Predicting The Price of Used Cars

Using Linear regression

INT 404 (Artificial Intelligence)|5/4/2020

# Abstract:

This project is all about prediction of prices of cars already used. Our model works

On the basis of linear regression formulated by the given data set we have chosen,

According to that dataset our model is trained and helps us to know the price of

The used cars.

Introduction:

The prices of new cars in the industry is fixed by the manufacturer with

some additional costs incurred by the Government in the form of taxes. So,

customers buying a new car can be assured of the money they invest to be

worthy. But due to the increased price of new cars and the incapability of

customers to buy new cars due to the lack of funds, used cars sales are on a

global. There is a need for a used car price prediction system to effectively

determine the worthiness of the car using a variety of features. Even though

there are websites that offers this service, their prediction method may not

be the best. Besides, different models and systems may contribute on

predicting power for a used car’s actual market value. It is important to

know their actual market value while both buying and selling

# C:\Users\Samarth\Desktop\3.jpg

Proposed Methodology:

The data used in this project was downloaded from Kaggle. We first cleaned

the data using various techniques and then followed by Exploratory Data

Analysis (EDA) for analyzing the data using various Plots and to find the co

relation present in the data

model was built using Linear Regression.

Graphs and various graphical demonstrations are used for better understanding.

# C:\Users\Samarth\Desktop\1.jpg

Results and Discussion:

This model was built using Linear Regression.

Linear is basically a statistical analysis of a particular dataset.

Researcher finds the line that mostly fits the data according to

A specific mathematical criterion.

The Graphical Demonstration was built using Flask module of

Python.

Flask is a lightweight web application framework.

We plotted several Graphs using Matplolib and seaborn.

# C:\Users\Samarth\Desktop\2.jpg

Conclusion:

Our site calculates the prices by using the linear regression model and we believe

it estimates approximately up to the mark due respect to all the team member’s

Hardwok. With this model we can help people verify their car’s selling price

Accurately without any hesitation. Model is working perfectly fine and suits to

Its best use.

# OUTPUT:

# 