

MINI PROJECT – II
(2019-20)

LAPTOP PRICE PREDICTION SYSTEM

SYNOPSIS



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INTRODUCTION

Machine Learning is the field of study that gives computers the capability to learn without being explicitly programmed . ML is one of the most exciting technologies that one would have ever come across . As it is evident from the name , it gives the computer that which makes it more similar to humans : The ability to learn . Machine learning is actively being used today, perhaps in many more places than one would expect.

Big Data is nothing but lots of data consisting of varieties of data . It is the concept of gathering useful insights from such voluminous amounts of structured , semi- structured and unstructured data that can be used for effective decision making in the business environment. This data is collected from various sources over a course of time and is cumbersome to be managed by traditional database tools.

We can have data without information but we cannot have information without data. With such voluminous data comes the complexity of managing it well with techniques that are not only effective and human-friendly but also deliver the desired results in a timely manner.

ABSTRACT

The aim of this project was to automate the process of predicting the cost of laptop automatically. In this system we take the big data set of different types of laptop according to their specification then and use it for predicting the cost. It refers to various tasks and chores associated with the organization. By using python as programming language and dataiku Workbench as platform for training the data set, we completed the project. In the end we were able to provide fully implemented project to user.

Our goal is to develop a model that has the capacity of predicting the cost of laptop, we will split the dataset into features and the target variable. And store them in features and prices variables, respectively. Once a model has been trained on a given set of data, it can now be used to make predictions on new sets of input data.

Selling used items gets pretty tricky when it comes to deciding resale value of an item. The process involves deciding the right price by examining existing items in market of similar kind and observing market trends. Everyone wants to sell in profit but they can't quote too much that none buys the item nor quote too less to sell in loss. We are interested in developing a system to predict right optimal resale value of product.

MOTIVATION

The purpose of project deals with determining a cost of laptop and avoids the problems which occur when carried manually. Laptop cost prediction as it is very clear from the name of project that this will be helping the unaware people about the actual cost of that laptop so that he might be aware of the actual worth of the laptop as this will help them to get a clear look about that project with a just little effort of placing some details to web site and they will be getting the answer to lot of their craving question

Requirements

Hardware:

- Computer/Laptop
- Processor: i3 or more •8GB RAM
- Operating System
- Internet

Software:

- Python
- HTML/CSS
- Jupyter Notebook
- GitHub

FUTURE PROSPECTS

Technology has evolved a lot in the last few decades , previously there were no such system which could detect the price of laptop or predict the price of laptop .This project will definitely help the students ,entrepreneurial people to have the ability to choose the laptop of their choice based on their financial status.

Laptop price prediction project in future could be enhanced by taking more data sets for more accurate data .In upcoming days our main motto by creating this project is to give it to the needy person/students/corporate people or industries who can take it as survey tool and do the needful,so that they can present the data in terms of graph that which laptop has high popularity based on different parameters

REFERENCES

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