

Documentation of the Dataset

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1 Introduction

This dataset contains information collected from certain websites containing some **laptop** features. In this project, we're going to consider some key features of a variety of laptops and try to predict their price according to those features.

2 Dataset Naming

The name for this dataset is simply **laptop**. It has only one task, **price**, in which the median value of a laptop is to be predicted.

3 Dataset Size

The dataset will have 10 attributes. So, the no. of columns is 10. Also, the no. of the row is 765.

4 Features

There are in total 9 attributes in each case of the dataset. They are:

1. **Max Horizontal Resolution:** The horizontal screen resolution of the laptop in pixels.
2. **Memory Technology:** The type of the memory/RAM like DDR2/DDR3/DDR3L etc.
3. **Installed Memory:** The memory capacity of the laptop in MHz.
4. **Processor Speed:** The clock rate of processor in MHz.
5. **Processor:** The processor technology.
6. **Manufacturer:** The Company that made the product.
7. **Bluetooth:** Bluetooth Technology. Attribute Type is YES or NO. Will be converted to numerical 1 and 0.
8. **Fingerprint:** Fingerprint technology to unlock the device. Attribute Type is YES or NO. Will be converted to numerical 1 and 0.
9. **Operating System:** The operating system of the laptop like Windows-based or Mac-OS based.
10. **Warranty:** Warranty of the product. Attribute type is in days.

5 Data Source

We've collected all the data from this website, https://www.academia.edu/1740333/Laptops_Dataset_17_attributes_836_instances.