

Overview: Laptop Pricing Data Set



Estimated Effort: 5 mins

The dataset used for practice labs is a modified subset that maps the price of laptops with different attributes.

The dataset is a filtered and modified version of the [Laptop Price Prediction using specifications](#) dataset, available under the [Database Contents License \(DbCL\) v1.0](#) on the [Kaggle](#) website.

Parameters

The parameters used in the dataset are:

1. **Manufacturer**
The company that manufactured the laptop

2. **Category**
The category to which the laptop belongs: This parameter is mapped to numerical values in the following way:

| Category | Assigned Value |
|-------------|----------------|
| Gaming | 1 |
| Netbook | 2 |
| Notebook | 3 |
| Ultrabook | 4 |
| Workstation | 5 |

3. **GPU**
The manufacturer of the GPU. This parameter is mapped to numerical values in the following way:

| GPU | Assigned Value |
|--------|----------------|
| AMD | 1 |
| Intel | 2 |
| NVidia | 3 |

4. **OS**
The operating system type (Windows or Linux): This parameter is mapped to numerical values in the following way:

| OS | Assigned Value |
|---------|----------------|
| Windows | 1 |
| Linux | 2 |

5. **CPU_core**
The type of processor used in the laptop: This parameter is mapped to numerical values in the following way:

| CPU_core | Assigned Value |
|------------------|----------------|
| Intel Pentium i3 | 3 |
| Intel Pentium i5 | 5 |
| Intel Pentium i7 | 7 |

6. **Screen_Size_cm**
The size of the laptop screen is recorded in cm.

7. **CPU_frequency**
The frequency at which the CPU operates, in GHz.

8. **RAM_GB**
The size of the RAM of the system in GB.

9. **Storage_GB_SSD**
The size of the SSD storage in GB is installed in the laptop.

10. **Weight_kg**
The weight of the laptop is in kgs.

11. **Price**
The price of the laptop is in USD.

Author(s)

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Changelog

| Date (YYYY-MM-DD) | Version | Changed By | Change Description |
|-------------------|---------|------------------|-------------------------|
| 2023-09-19 | 0.1 | Abhishek Gagneja | Initial Version Created |
| 2023-09-19 | 0.2 | Vicky Kuo | Reviewed and Revised |
| 2023-10-19 | 0.3 | Mary Stenberg | QA Reviewed with edits |