



Ahsanullah University of Science and Technology

Department of Computer Science & Engineering

Course No.

CSE 4108

Course Name

Artificial Intelligence Lab

Project

Television Price Prediction

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Documentation of The Dataset

Size of the dataset: The dataset contains 333 instances of Televisions data, and each instance has 12 features.

Description of features: There are 12 features for each data

1. Brand: The name of the Brand of Television.
2. Screen Size: The screen size of the TV display in Inch.
3. Resolution: Resolution of TV in Pixel.
4. Device Type: Device type of the Television display.
5. Power Supply: Power needed for the TV, in volt.
6. Audio Output: Output audio frequency of TV.
7. Speaker System: Type of Speaker/Channel for TV.
8. HDMI: Total port of HDMI
9. USB: Total port of USB cable.
10. Smart TV: If the TV is a smart tv, android tv or not.
11. Resolution Upscaler: Upscaling process of a TV.
12. Price: Price of the TV in Taka.

Citation of the websites: We have collected dataset from the following sources:

- <https://www.startech.com.bd/>
- <https://www.techlandbd.com/>
- <https://www.ryanscomputers.com/>
- <https://www.sony.net/>
- <https://www.daraz.com.bd/smart-tvs/xiaomi/>
- <https://waltonbd.com/led-tv>

Example of datasets: Following is a snapshot from our dataset:

	Brand	ScreenSize	Resolution	DeviceType	PowerSupply	AudioOutput	SpeakerSystem	HDMI	USB	Smart TV	Resolution upscaler	Price
1	Samsung	85	3840x2160	QLED	240	40	4.0Channel	4	3	1	4KUHD	1500000
2	Samsung	85	3840x2160	QLED	120	40	4.2Channel	4	3	1	4KUHD	1500000
3	LG	65	3840x2160	OLED	240	60	4.2Channel	4	3	1	4K	856900
4	Sony	85	3840x2160	LCD	240	10	4.2Channel	4	3	2	4KHDR	520000
5	Sony	65	3840x2160	OLED	240	60	4.2Channel	4	2	2	4KUHD	400000
6	LG	65	3840x2160	OLED	240	40	2.2Channel	3	1	1	4K	399900
7	Xiaomi Mi	98	3840x2160	LED	220	16	2.0Channel	2	2	2	4K	390000
8	LG	65	3840x2160	OLED	240	40	2.2Channel	4	3	1	4K	389900
9	Samsung	65	3840x2160	QLED	240	40	4.0Channel	4	2	1	4KUHD	380000
10	Samsung	85	3840x2160	UHD	240	20	2.0Channel	3	2	1	4KUHD	367400
11	Sony	85	3840x2160	LCD	240	20	4.0Channel	4	2	2	4KUHD	350000
12	LG	75	3840x2160	UHD	240	20	2.0Channel	3	1	1	4K	344900
13	Samsung	55	3840x2160	QLED	240	40	4.0Channel	4	2	1	4KUHD	340000
14	LG	65	3840x2160	UHD	240	20	2.0Channel	4	3	1	4K	339900
15	Sony	85	3840x2160	LCD	240	20	4.0Channel	4	2	2	4K	320000
16	Sony	65	3840x2160	OLED	240	60	4.0Channel	3	4	2	4KUHD	305000
17	LG	65	3840x2160	UHD	240	40	2.2Channel	2	1	1	4KUHD	299700
18	Samsung	75	3840x2160	UHD	120	20	2.0Channel	3	2	1	4KUHD	285000
19	LG	65	3840x2160	OLED	240	40	2.2Channel	4	3	1	4KUHD	277000
20	Sony	75	3840x2160	LED	240	20	2.0Channel	2	2	2	4KHDR	275000
21	Sony	65	3840x2160	LED	240	78	2.2Channel	4	2	2	4KUHD	275000
22	Samsung	75	3840x2160	UHD	120	20	2.0Channel	3	2	1	4KUHD	265000
23	Samsung	75	3840x2160	QLED	120	20	2.0Channel	3	2	1	4KUHD	261800
24	Samsung	75	3840x2160	UHD	240	20	2.0Channel	3	2	1	4KUHD	257100
25	Samsung	55	3840x2160	QLED	240	20	2.0Channel	4	2	1	4KUHD	250000
26	Samsung	65	3840x2160	UHD	120	20	2.0Channel	3	2	1	4KUHD	240000
27	Samsung	65	3840x2160	UHD	120	20	2.0Channel	3	2	1	4KUHD	240000