Ahsanullah University of Science and Technology



Department of Computer Science and Engineering

# Program: Bachelor of Science in Computer Science and Engineering

**Course No:** CSE 4108

**Course Title:** Artificial Intelligence Lab

**Title**: Documentation of the dataset

**Submitted to:**

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| Mr. Faisal Muhammad Shah |
| Associate Professor, Department of CSE, AUST. |
| Mr. Md. Siam Ansary |
| Lecturer, Department of CSE, AUST. |

**Submitted by**

## Ashikur Rahman 180104033

## Abdullah Al Hasib 180104039

## Murshid Bin Masud Sourov 180104046

## **Brief description of the dataset**

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| Name of the Dataset | Apartment Price Dataset |
| File Format of the Dataset | .csv |
| Dimension of the Dataset | 11\*300 |
| Number of Total Columns | 11 |
| Number of Total Rows | 300 |
| Number of Feature Columns | 7 |
| Name of Feature Columns | Postal\_Code, Square\_Feet, No\_Of\_Beds, No\_Of\_Washrooms, Faced\_Id, Floors, Completion\_Id, |
| Number of Target Column(s) | 1 |
| Name of Target Columns | Price |

## **Description of the dataset:**

## The dataset has 11 columns and 300 rows. 7 columns are feature columns and 1 column is the target column which will be predicted.

## A short description of each column is given below:

## **Name:** Postal\_Code

## **Data type:** integer

## **Description:** This column indicates the location code.

## **Name:** Square\_Feet

## **Data type:** integer

## **Description:** This column indicates the total square feet of the apartment.

## **Name:** No\_Of\_Beds

## **Data type:** integer

## **Description:** This column indicates the total number of beds.

## **Name:** No\_Of\_Washrooms

## **Data type:** integer

## **Description:** This column indicates the total number of washrooms.

## **Name:** Faced\_Id

## **Data type:** integer

## **Description:** This column indicates the faced direction of the apartment. As it is the categorical value, we convert it to integer value. ‘‘East’’ is denoted as 1, ‘’west’’ is denoted as 2, ‘’north’’ is denoted as 3, ‘’south’’ is denoted as 4.

## **Name:** Floors

## **Data type:** integer

## **Description:** This column indicates the total number of floors in the building.

## **Name:** Completion\_Id

## **Data type:** integer

## **Description:** This column indicates the completion status which has two category- ready or under construction. As it is the categorical value, we convert it to integer value. ‘’Ready’’ is denoted as 1 and ‘’under construction’’ is denoted as 0.

## **Name:** Price

## **Data type:** integer

## **Description:** Target column of the dataset.This column indicates the price of the apartment.

## **Reference site:** https://www.bproperty.com/en/bangladesh/properties-for-sale/?gclid=CjwKCAiAsYyRBhACEiwAkJFKoqkv3hz10L\_NW-NY7Te1XP3HFr0pZCEsOwASvolmzfIH8I78E-GJ0BoCBt4QAvD\_BwE