**Ahsanullah University of Science and Technology**



# Department of Computer Science and Engineering

Program: Bachelor of Science in Computer Science and Engineering

Course No. : CSE4108

Course Title : Artificial Intelligence Lab

Title : Documentation of the dataset

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Seciton : B2

**Overview of the dataset:**

|  |  |
| --- | --- |
| Name of the dataset | healthcare-dataset-stroke-data |
| File format of the dataset | .CSV |
| Dimension | 367 x 9 |
| Number of columns | 9 |
| Number of rows | 367 |
| Number of feature columns | 8 |
| Name of features | minTemp, maxTemp, Rainfall, Evaporation, Sunshine, WindSpeed, Humidity, RainToday |
| Number of target columns | 01 |

**Description of the features:**

|  |  |  |
| --- | --- | --- |
| Name | : | MinTemp |
| Data type | : | Float |
| Range | : | (-5) - 20 |
| Description | : | Details about the minimum temperature in degree Celsius. |

|  |  |  |
| --- | --- | --- |
| Name | : | MaxTemp |
| Data type | : | Float |
| Range | : | 5 - 40 |
| Description | : | Details about the maximum temperature in degree Celsius. |
| Name | : | Rainfall |
| Data type | : | Float |
| Range | : | 0 - 40 |
| Description | : | About the amount of rainfall recorded for the day in mm. |
| Name | : | Evaporation |
| Data type | : | Float |
| Range | : | 0-15 |
| Description | : | The so called class-A pan evaporation (mm) in the 24 hours. |
| Name | : | Sunshine |
| Data type | : | Float |
| Range | : | 0 – 15 |
| Description | : | The number of hours of bright sunshine in the day. |

|  |  |  |
| --- | --- | --- |
| Name | : | WindSpeed |
| Data type | : | Integer |
| Range | : | 0 - 45 |
| Description | : | The speed (km per hour) of the strongest wind gust in the 24 hours. |
| Name | : | Humidity |
| Data type | : | Integer |
| Range | : | 0 - 100 |
| Description | : | Percentage of measure of the amount of water vapor in the air in last 24 hours. |
| Name | : | RainToday |
| Data type | : | Binary |
| Range | : | 0,1 |
| Description | : | Result of rainfall of the day.   * 0 - No rain * 1 – Rain |

**References:**

1. <http://www.bom.gov.au/climate/data>
2. <http://www.bom.gov.au/climate/dwo/>
3. <https://www.kaggle.com/zaraavagyan/weathercsv>