University of Science and Technology

School of computaonal science and arficial intelligence DSAI 202: Data governance

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**Sec: 4**

**Dataset name: A case study of bicycle bike-sharing**

**Dataset link:** [**https://www.kaggle.com/datasets/ravij0719/bicycle-bike-sharing/data**](https://www.kaggle.com/datasets/ravij0719/bicycle-bike-sharing/data)

**Dataset description**

1. It deals with every ride a bicycle does, it contains the ride id, type, start date of the ride and its end, the start and end stations along with the station id.
2. Table:

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Column**  **profiling** | **Column dependencies** | **Notes** |
| **Ride\_id** | * Unique * Object * Non-nullable |  |  |
| **Rideable\_type** | * Unique * Object * Non-nullable | **Ride\_id** | * The type of the bike ['classic\_bike', 'electric\_bike', 'docked\_bike'] |
| **Started\_at** | * Unique * Date * Non-nullable | **Ride\_id** | * Date of the trip’s starting |
| **Ended\_at** | * Unique * Date * Non-nullable | **Ride\_id** | * Date of the trip’s ending |
| **Start\_station\_name** | * Unique * Object * Non-nullable | **Ride\_id** |  |
| **Start\_station\_id** | * Unique * Object * Non-nullable | **Ride\_id** |  |
| **End\_station\_name** | * Unique * Object * Non-nullable | **Ride\_id** |  |
| **End\_station\_id** | * Unique * Object * Non-nullable | **Ride\_id** |  |
| **Start\_lat** | * Unique * Float * Non-nullable | **Ride\_id** |  |
| **Start\_lng** | * Unique * Float * Non-nullable | **Ride\_id** |  |
| **End\_lat** | * Unique * Float * Non-nullable | **Ride\_id** |  |
| **End\_lng** | * Unique * Float * Non-nullable | **Ride\_id** |  |
| **Member\_casual** | * Unique * Object * Non-nullable | **Ride\_id** |  |