

1. [Data Extraction](#)

Summary:

This dataset provides hourly values for the number of active users for an e-scooter and e-bike rental service in a city. The features include the date, time and various weather parameters.

Attributes:

Attribute	Description
date	Date in YYYY-MM-DD.
hr	Hour (0 to 23).
weather	Description of the weather conditions for that hour.
temperature	Average temperature for that hour (Fahrenheit).
feels_like_temperature	Average feeling temperature for that hour (Fahrenheit).
relative_humidity	Average relative humidity for that hour. Measure of the amount of water in the air (%).
windspeed	Average speed of wind for that hour (arbitrary units).
psi	Pollutant standard index. Measure of pollutants present in the air (0 to 400).
guest_scooter	Number of guest users using the rental e-scooters in that hour.
registered_scooter	Number of registered users using the rental e-scooters in that hour.
guest_bike	Number of guest users using the rental e-bikes in that hour.
registered_bike	Number of registered users using the rental e-bikes in that hour.

Deliverable:

The data is hosted on AI Singapore's databases. In a [python script](#) (as part of a data ingestion and preprocessing pipeline), write an [SQL query](#) to extract a dataset with the following criteria.

- The dataset should only consist of data recorded between the years 2011 and 2012.
- Extract all columns except *guest_bike* and *registered_bike*.

In your submission, the dataset must be extracted from the database. However, you may save a copy of the dataset on your local machine to work on the subsequent tasks.