This folder gives teams access to data sets that can be used to respond to the problem statements for the Final Hack. Please refer to this document for information about the data sets available in this folder. Please note that data sets are indicative, and a few data sets have been slightly modified for the Innovation Challenge. KMRL, WRI and other partners are not responsible for the accuracy of these data sets if these data sets are used outside of the Data Innovation Challenge.

**DATA TYPES**

**Mobility Data Sets**

1. Kochi Metro

Formats:

* GTFS (General Transit Feed Specification)
* CSV (Comma Separated Values)

Data:

* Schedules
* Stop locations
* Routes
* Trips
* Fares
* Historic ticketing data

Useful links:

<https://kochimetro.org/metro-stations/>

<https://en.wikipedia.org/wiki/List_of_Kochi_Metro_stations>

<https://kochimetro.org/fare-chart/>

1. Ferry

Formats:

* GTFS (General Transit Feed Specification)
* CSV (Comma Separated Values)

Data:

* Schedules
* Stop locations
* Routes
* Trips

Note: Please use the following structure for fares information of ferry services:

* Minimum fare: INR 4
* Incremental fare after every stage: INR 2
* Each stop that ferry services stop at are considered as a single stage

Useful links:

<https://www.swtd.kerala.gov.in/pages-en-IN/bsfromernakulam.php>

1. Bus

Formats: CSV

Data:

* Routes
* Bus stops

1. Auto Stands

Data:

Geospatial locations of auto stands

Format:

Comma Separated Values (CSV)

1. Parking

Data:

* Live parking availability at parking lots near metro stations
* Historic Parking usage Data

Format:

* GET HTTP Request
  + For testing the API, teams can use [Postman](https://www.getpostman.com/downloads/)
* Comma Separated Values (CSV)

1. Public Bike Share

Data:

Geospatial locations of auto stands

Format:

Comma Separated Values (CSV)

Note: To read and understand more about the GTFS standard, please follow this link

<https://developers.google.com/transit/gtfs/>

**Non-Mobility Data Sets**

Format: Comma Separate Values (CSV)

|  |  |
| --- | --- |
| 1. Recreational Establishments   Data: Geospatial information of   * Cultural establishments * Gastronomy * Entertainment options | 1. Educational Establishments   Data: Geospatial information of   * Schools * Colleges * Kindergarten * Libraries |
| 1. Medical Establishments   Data: Geospatial information of   * Hospitals * Dentist facilities * Doctor’s clinics * Pharmacies | 1. Religious Establishments:   Data: Geospatial information of   * Churcher * Temples * Mosques |
| 1. Other Public Amenities: |  |

**Note: Teams are encouraged to use other data sources that are openly available on the internet**

**For any queries about the data, please reach out to:**

**Aparna Vijaykumar (WRI)**

**E:** [**aparna.vijaykumar@wri.org**](mailto:aparna.vijaykumar@wri.org)