

User Manual for Multi-Integrator CLI

Step 1: Go to “Multi-Users_Integrator_CLI” folder.

Step 2: Place data folders into “multi-data” folder.

Only files named below will be integrated:

- 1) <username>_records<number>.csv (This file is mandatory for every integration)
- 2) visited_places.csv
- 3) point_of_interest.csv
- 4) garmin_gpx.gpx

Today	Yesterday	Yesterday	Yesterday
Real Test Data	firstSetup.command	user1	garmin_gpx.gpx
	muitiCLI.command	user2	hanFinal_records0.csv
Yesterday	multi-data	user3	hanFinal_records1.csv
Multi-Users Integrator	runCLI		hanFinal_records2.csv
README.md			hanFinal_records3.csv
Single-User Integrator GUI			hanFinal_records4.csv
			hanFinaluserProfile.json
			point_of_interest.csv
			visited_places.csv

Step 3: Double click <muitiCLI.command>.

A terminal will pop up and start intergrating data in “multi-data” folder.

```
liyadi0228icloud.com — muitiCLI.command — 80x24
Last login: Fri Oct 22 16:14:27 on ttys000
liyadi0eMacBook:~ liyadi0228icloud.com$ /Users/liyadi0228icloud.com/Desktop/CITS
5206-Human-Movement2/Data_Integrator/Multi-Users_Integrator_CLI/muitiCLI.command
; exit;

Folder Number 1 :
multi-data/user1/
mkdir: data: File exists
Garmin File Exists -> Creating Garming CSV
conversion from gpx_to_csv was done successfully
All Files Provided -> Merging
Data Integration Completed
SET USER ID
hanFinal
SET TIMESTAMP
2021-10-22_171350
Output files are stored in output folder
Used files are moved to used data folder
#####
#####
#####
## DATA INTEGRATION COMPLETED. ##
#####
##### THANK YOU! #####
```

Step 4: Go to <output> folder. You'll find the integrated data.

Inside the output folder, The <username>Final<integration time> folder contains folder(s) for each integration. There are 3 files under this folder

- 1) garmin_<username>Final_<integration time>.csv is the data converted from the garmin GXP file, it contains all the health information and location data.
- 2) <username>Final_<integration time>.csv is the data has has been integrated, including mobile data, garmin data, visited places and point of interest data.
- 3) profile_<username>Final_<integration time>.json is the data the user used in the mobile app.

Today	Today	Today	Today
output	allBatches.csv	hanFinal_20...0-22_115413	garmin_hanFi..._115413.csv
used data	hanFinal	hanFinal_20...0-22_115415	hanFinal_20..._115413.csv
		hanFinal_20...0-22_115417	profile_hanFi...115413.json
Yesterday			
firstSetup.command			
multiCLI.command			
multi-data			
runCLI			

Addition:

The data have been used for integration will be organised into a folder called “used data”. It will organise the used data according to the user and integration time

Today	Today	Today	Today
output	hanFinal	hanFinal_20...0-22_115413	garmin_gpx.gpx
used data		hanFinal_20...0-22_115415	hanFinal_records0.csv
		hanFinal_2021-10-22_115417	hanFinal_records1.csv
Yesterday			hanFinal_records2.csv
firstSetup.command			hanFinal_records3.csv
multiCLI.command			hanFinal_records4.csv
multi-data			hanFinaluserProfile.json
runCLI			point_of_interest.csv
			visited_places.csv