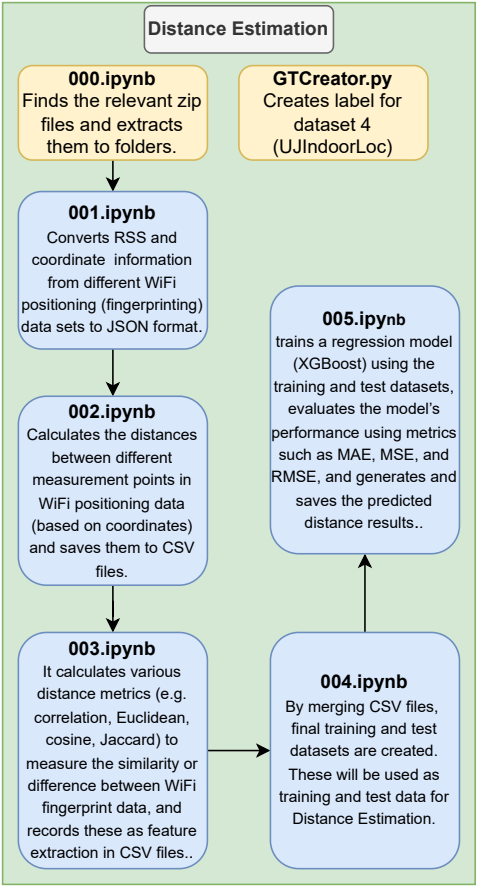
Distance Estimation
000.ipynb
Finds the relevant zip files and extracts them to folders.
GTCreator.py
Creates label for dataset 4 (UJIndoorLoc)
001.ipynb
Converts RSS and coordinate information from different WiFi positioning (fingerprinting) data sets to JSON format.
002.ipynb
Calculates the distances between different measurement points in WiFi positioning data (based on coordinates) and saves them to CSV files.
003.ipynb
It calculates various distance metrics (e.g. correlation, Euclidean, cosine, Jaccard) to measure the similarity or difference between WiFi fingerprint data, and records these as feature extraction in CSV files..
004.ipynb
By merging CSV files, final training and test datasets are created. These will be used as training and test data for Distance Estimation.
005.ipynb
trains a regression model (XGBoost) using the training and test datasets, evaluates the model's performance using metrics such as MAE, MSE, and RMSE, and generates and saves the predicted distance results..