GPS Data Description

Abstract: The dataset has been feed by Android app called Go!Track. It is available at Goolge Play Store([Web Link]).

Source:

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Data Set Information:

The dataset is composed by two tables. The first table go_track_tracks presents general attributes and each instance has one trajectory that is represented by the table go_track_trackspoints.

Attribute Information:

(1) go_track_tracks.csv: a list of trajectories
id_android - it represents the device used to capture the instance;
speed - it represents the average speed (Km/H)
distance - it represent the total distance (Km)
rating - it is an evaluation parameter. Evaluation the traffic is a way to verify the volunteers perception about the traffic during the travel, in other words,
if volunteers move to some place and face traffic jam, maybe they will evaluate 'bad'. (3- good, 2- normal, 1-bad).
rating_bus - it is other evaluation parameter. (1 - The amount of people inside the bus is little, 2 - The bus is not crowded, 3- The bus is crowded.
rating_weather - it is another evaluation parameter. (2- sunny, 1- raining).
car_or_bus - (1 - car, 2-bus)
linha - information about the bus that does the pathway

(2) go_track_trackspoints.csv: localization points of each trajectory
id: unique key to identify each point
latitude: latitude from where the point is
longitude: longitude from where the point is
track_id: identify the trajectory which the point belong
time: datetime when the point was collected (GMT-3)

Citation Request:

We have some papers that used this dataset. The first was presented in BRACIS (4th Brazilian Conference on Intelligent System).
The paper was accepted but not published yet.
The other paper was submitted to AT&T (IJCAI-16).
The last paper is about the dataset.

Publications:
1 - CRUZ, M. O.; MACEDO, H.; GUIMARÃES, A. P. Grouping similar trajectories for carpooling purposes. In: Brazilian Conference on Intelligent Systems. [S.l.: s.n.], 2015. p. 234â€"239. ISBN 9781509000166.