

Distributed Subtrajectory Similarity Matrix > [download here](#)

An open source implementation of the Distributed Subtrajectory Similarity Matrix solution by employing subtrajectory join procedure that was proposed in [1] and the similarity function that was proposed in proposed in [2].

Implementation Details

This is a MapReduce solution in Java that has been implemented and tested against Hadoop 2.7.2. The only external library used here is [cts](#) for coordinate transformation.

Input Data

The input is an hdfs directory containing csv files (comma delimited) of the form <obj_id, traj_id, t, lon, lat>, where

- obj_id and traj_id are integers (traj_id might be omitted if not available)
- t is an integer corresponding to the unix timestamp
- lon and lat are the coordinates in WGS84

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