Test Cases / Single Trajectory Computation

IPED/IPED-matlab/

setup.m

IPED_pythonInterface.m

Main scripts / setup for computations

tests/

Test-Cases.m

Test cases for the user to get example output (incl. figures)

src/data

trajectory data (in .mat format)

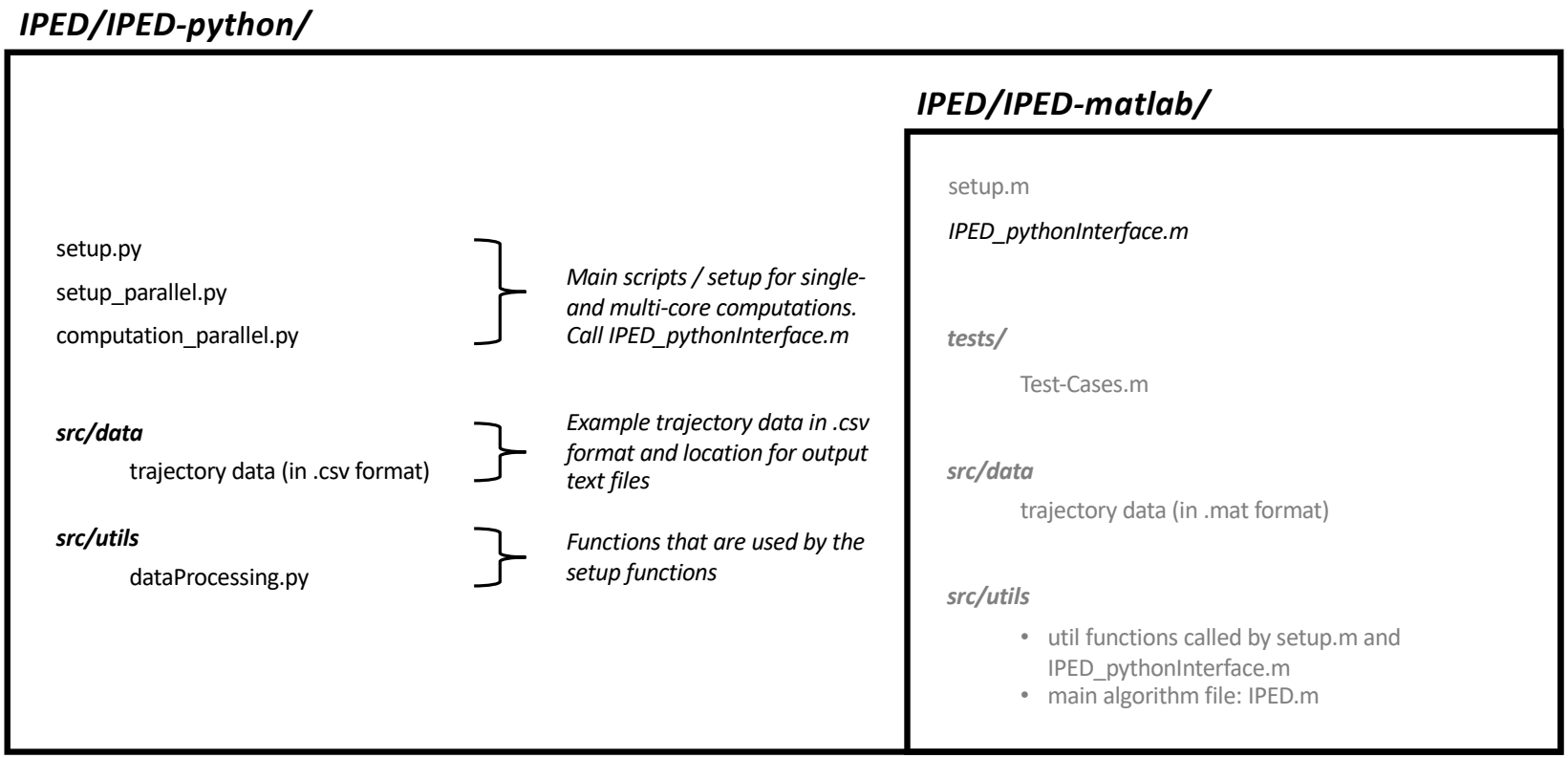
Example trajectory data in Matlab format

src/utils

- util functions called by setup.m and IPED_pythonInterface.m
- main algorithm file: IPED.m

Functions that are used by the setup functions

Full Trajectory Data Set Computations



Computations on a PBS server

IPED/

submit_IPED_singleCore.sh

Bash file to set up the code on the server. Calls setup.py for a single core computation.

submit_main.sh

Bash file to submit Icase for parallel computing. Calls setup_parallel.py to configure the data for submit_IPED.sh

submit_IPED.sh

Bash file called by submit_main.sh. Uses the numbers of missing trajectory IDs as input and submits per trajectory ID one separate job to the server.

IPED/IPED-python/

setup.py

setup_parallel.py

computation_parallel.py

src/data

trajectory data (in .csv format)

src/utils

dataProcessing.py

IPED/IPED-matlab/

setup.m

IPED_pythonInterface.m

tests/

Test-Cases.m

src/data

trajectory data (in .mat format)

src/utils

- util functions called by setup.m and IPED_pythonInterface.m
- main algorithm file: IPED.m