

Data preparation

In DATA_PREP

1. Copy data reports into project directory

- `copy_GCMS_files.py`
- `copy_HPLC_files.py`

2. Clean data sets

- `clean_up_data_reports.py`

Data sets are copied, cleaned and deposited in a new directory.

3. Extract parameters from cleaned data sets

- `process_all_data_sets.py`

The averages, amplitudes, time lags and errors are extracted from each data set and deposited in their own .csv files (see `information_sources`).

4. Generate reaction networks

- `4_GenerationAlgorithm.py`
Uses reaction rules from the information folder in NorthNet

(deposited in `information_sources`)

5. Find reaction pathways in all relevant data sets

- `Find_reaction_pathways_2.py`

Uses the network generated in step 4 to find reaction pathways within data from which amplitude info is present.

(see also: `reaction_pathway_searching.md`)

In DATA_PRESENT

6. Data presentation

Use scripts to generate figures from the data.

- `bar_chart_panel.py`
 - `dendrogram_panel.py`
 - `plot_series_2.py`
 - `plot_series_grid.py`
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