

Command Line Interface

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harmonize.py

HarmonizationDriver

- Configure history and model data
- Create and call library objects
- For each model/scenario combination
 - preprocess
- harmonize
- postprocess
- Add exogenous trajectories
- Collect harmonized data and metadata

utils.py

EmissionsAggregator

- Combine variables with parent-child relationship
- Calculate total values for each sector

FormatTranslator

- Translate between template (input) and standard (calculation) data formats

Additional Utilities

- Common data indices
- Combining datasets
- Spatial Aggregation

Preprocess Data

From input data format to calculation format, etc.

Harmonizer

- Determine harmonization offsets and ratios
- Determine methods (including overrides)
- Harmonize each trajectory
- Return trajectories and metadata

Postprocess Data

From calculation format to input data format, etc.

methods.py

Method Decision Tree

- Match trajectory to harmonization method
- Select from method library

Legend

Class

Function Collection/ Submodule