powell_method
Parameters

cm_name: powell_70
dataframe_in: data_missing_70
description: Powell Method for optimization of timeseries with simulation
diff_func_name: manhattan_metrics
diff_func_parameters: {}
model_method: powell_method
name: powell_method
parameters:
  decision_variables:
    keys:
    - max_keys
  decision_variables_names:
  - graph_structure
  epsilons:
  - 1
  ground_truth_topology:
    keys:
    - max_keys
  initial_points: 100
  n_draws: 20000
  n_iterations: 100
  nfe: 1500
  num_pool: 1
  population_size: 100
  seed: 16
report_parameters: {}
running_time: 12714.588242530823
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with most optimal solution:

	graph_structure	Distance	round
0	14198.618836	7.489606	14199.0

powell_method
Parameters

cm_name: powell_80
dataframe_in: data_missing_80
description: Powell Method for optimization of timeseries with simulation
diff_func_name: manhattan_metrics
diff_func_parameters: {}
model_method: powell_method
name: powell_method
parameters:
   decision_variables:
     keys:
     - max_keys
   decision_variables_names:
   - graph_structure
   epsilons:
   - 1
   ground_truth_topology:
     keys:
     - max_keys
   initial_points: 100
   n_draws: 20000
   n_iterations: 100
   nfe: 1500
   num_pool: 1
   population_size: 100
   seed: 16
report_parameters: {}
running_time: 18676.82570695877
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with most optimal solution:

	graph_structure	Distance	round
0	16643.051668	7.170793	16643.0

powell_method

Parameters

cm_name: powell_90
dataframe_in: data_missing_90
description: Powell Method for optimization of timeseries with simulation
diff_func_name: manhattan_metrics
diff_func_parameters: {}
model_method: powell_method
name: powell_method
parameters:
   decision_variables:
     keys:
     - max_keys
   decision_variables_names:
   - graph_structure
   epsilons:
   - 1
   ground_truth_topology:
     keys:
     - max_keys
   initial_points: 100
   n_draws: 20000
   n_iterations: 100
   nfe: 1500
   num_pool: 1
   population_size: 100
   seed: 16
report_parameters: {}
running_time: 5456.934916257858
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with most optimal solution:

	graph_structure	Distance	round
0	15278.64045	10.285055	15279.0

Summary

Model Name	Model Method	Score	Difference Function	Dataframe	Duration
powell_90	powell_method	0.96	manhattan_metrics	data_missing_90	5456.935 sec
powell_80	powell_method	0.97	manhattan_metrics	data_missing_80	18676.826 sec
powell_70	powell_method	0.96	manhattan_metrics	data_missing_70	12714.588 sec