powell_method
Parameters

cm_name: powell_10
dataframe_in: data_missing_10
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: 1
report_parameters: {}
running_time: 2693.2314505577087
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with most optimal solution:

	graph_structure	Distance	round
0	15279.496553	6.398357	15279.0

powell_method
Parameters

cm_name: powell_20
dataframe_in: data_missing_20
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: 1
report_parameters: {}
running_time: 5118.0276255607605
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with most optimal solution:
   graph_structure Distance   round
0   16656.3146 3.95846 16656.0

powell_method
Parameters

cm_name: powell_30
dataframe_in: data_missing_30
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: 1
report_parameters: {}
running_time: 1296.1085901260376
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with most optimal solution:

	graph_structure	Distance	round
0	15278.64045	7.161265	15279.0

Summary

Model Name	Model Method	Score	Difference Function	Dataframe	Duration
powell_30	powell_method	0.96	manhattan_metrics	data_missing_30	1296.109 sec
powell_20	powell_method	0.97	manhattan_metrics	data_missing_20	5118.028 sec
powell_10	powell_method	0.96	manhattan_metrics	data_missing_10	2693.231 sec