

powell_method

Parameters

cm_name: powell_40
dataframe_in: data_missing_40
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: 21
report_parameters: {}
running_time: 1969.0371088981628
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with most optimal solution:

	graph_structure	Distance	round
0	15279.440315	4.270925	15279.0

powell_method

Parameters

cm_name: powell_50
dataframe_in: data_missing_50
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: 21
report_parameters: {}
running_time: 4446.641961812973
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with most optimal solution:

	graph_structure	Distance	round
0	16656.026361	2.96392	16656.0

powell_method

Parameters

cm_name: powell_60
dataframe_in: data_missing_60
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: 21
report_parameters: {}
running_time: 2074.735088825226
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with most optimal solution:

	graph_structure	Distance	round
0	16644.727991	4.006229	16645.0

Summary

Model Name	Model Method	Score	Difference Function	Dataframe	Duration
powell_60	powell_method	0.97	manhattan_metrics	data_missing_60	2074.735 sec
powell_50	powell_method	0.97	manhattan_metrics	data_missing_50	4446.642 sec
powell_40	powell_method	0.96	manhattan_metrics	data_missing_40	1969.037 sec