

powell_method

Parameters

cm_name: powell_30_s11
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: 11
report_parameters: {}
running_time: 3181.617851257324
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with most optimal solution:

	graph_structure	Distance	round
0	15278.64045	4.005247	15279.0

powell_method

Parameters

cm_name: powell_30_s6
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: 6
report_parameters: {}
running_time: 5234.155060529709
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with most optimal solution:

	graph_structure	Distance	round
0	17505.119772	3.145199	17505.0

powell_method

Parameters

cm_name: powell_30_s16
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: 16
report_parameters: {}
running_time: 2988.67289686203
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with most optimal solution:

	graph_structure	Distance	round
0	16656.3146	2.955414	16656.0

Summary

Model Name	Model Method	Score	Difference Function	Dataframe	Duration
powell_30_s6	powell_method	0.97	manhattan_metrics	data_missing_30	5234.155 sec
powell_30_s16	powell_method	0.97	manhattan_metrics	data_missing_30	2988.673 sec
powell_30_s11	powell_method	0.96	manhattan_metrics	data_missing_30	3181.618 sec