

powell_method

Parameters

cm_name: powell_0_s11
dataframe_in: data_transformed_0
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: 2500
 num_pool: 1
 population_size: 100
 seed: 11
report_parameters: {}
running_time: 7372.756760835648
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with most optimal solution:

	graph_structure	Distance	round
0	16656.159396	3.017988	16656.0

powell_method

Parameters

cm_name: powell_0_s1
dataframe_in: data_transformed_0
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: 2500
 num_pool: 1
 population_size: 100
 seed: 1
report_parameters: {}
running_time: 5749.567148685455
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with most optimal solution:

	graph_structure	Distance	round
0	15278.883424	3.714688	15279.0

powell_method

Parameters

cm_name: powell_0_s6
dataframe_in: data_transformed_0
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: 2500
 num_pool: 1
 population_size: 100
 seed: 6
report_parameters: {}
running_time: 4760.009435892105
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with most optimal solution:

	graph_structure	Distance	round
0	15278.64045	3.73947	15279.0

Summary

Model Name	Model Method	Score	Difference Function	Dataframe	Duration
powell_0_s6	powell_method	0.96	manhattan_metrics	data_transformed_0	4760.009 sec
powell_0_s11	powell_method	0.97	manhattan_metrics	data_transformed_0	7372.757 sec
powell_0_s1	powell_method	0.96	manhattan_metrics	data_transformed_0	5749.567 sec