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: 2386.0007905960083
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with most optimal solution:

	graph_structure	Distance	round
0	15258.020206	6.20028	15258.0

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: 2804.0102055072784
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with most optimal solution:

	graph_structure	Distance	round
0	16656.258278	5.750047	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: 2111.226408481598
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with most optimal solution:
	graph_structure	Distance	round
0	16655.98911	6.915397	16656.0

Summary

Model Name	Model Method	Score	Difference Function	Dataframe	Duration
powell_60	powell_method	0.97	manhattan_metrics	data_missing_60	2111.226 sec
powell_50	powell_method	0.96	manhattan_metrics	data_missing_50	2386.001 sec
powell_40	powell_method	0.97	manhattan_metrics	data_missing_40	2804.010 sec