powell_method

Parameters

cm_name: powell_90
dataframe_in: data_missing_90
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: 6417.168380737305
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with most optimal solution:

	graph_structure	Distance	round
0	15279.006537	69.482103	15279.0

powell_method

Parameters

cm_name: powell_80
dataframe_in: data_missing_80
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: 3686.5732402801514
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with most optimal solution:

	graph_structure	Distance	round
0	15278.64052	34.876739	15279.0

powell_method

Parameters

cm_name: powell_70
dataframe_in: data_missing_70
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: 2972.7157957553864
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with most optimal solution:

	graph_structure	Distance	round
0	15278.64045	22.520794	15279.0

Summary

Model Name	Model Method	Score	Difference Function	Dataframe	Duration
powell_90	powell_method	0.96	manhattan_metrics	data_missing_90	6417.168 sec
powell_80	powell_method	0.96	manhattan_metrics	data_missing_80	3686.573 sec
powell_70	powell_method	0.96	manhattan_metrics	data_missing_70	2972.716 sec