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: 1
report_parameters: {}
running_time: 3271.737960100174
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with most optimal solution:

	graph_structure	Distance	round
0	15279.005823	7.368062	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: 1
report_parameters: {}
running_time: 5662.7783370018005
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with most optimal solution:

	graph_structure	Distance	round
0	15278.98763	9.180196	15279.0

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: 1
report_parameters: {}
running_time: 6729.04626250267
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with most optimal solution:

	graph_structure	Distance	round
0	15278.955501	12.25944	15279.0

Summary

Model Name	Model Method	Score	Difference Function	Dataframe	Duration
powell_60	powell_method	0.96	manhattan_metrics	data_missing_60	6729.046 sec
powell_50	powell_method	0.96	manhattan_metrics	data_missing_50	5662.778 sec
powell_40	powell_method	0.96	manhattan_metrics	data_missing_40	3271.738 sec