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: 3711.345513343811
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with most optimal solution:

	graph_structure	Distance	round
0	14495.646479	6.171542	14496.0

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: 3634.9923079013824
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with most optimal solution:

	graph_structure	Distance	round
0	16656.162365	4.856645	16656.0

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: 4683.45015835762
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with most optimal solution:

	graph_structure	Distance	round
0	16645.364838	5.963929	16645.0

Summary

Model Name	Model Method	Score	Difference Function	Dataframe	Duration
powell_30_s6	powell_method	0.96	manhattan_metrics	data_missing_30	3711.346 sec
powell_30_s16	powell_method	0.97	manhattan_metrics	data_missing_30	3634.992 sec
powell_30_s11	powell_method	0.97	manhattan_metrics	data_missing_30	4683.450 sec