

bayesian_optimization

Parameters

cm_name: bo_s16
dataframe_in: data_out
description: Bayesian optimization method for optimization of timeseries
diff_func_name: manhattan_metrics
diff_func_parameters: {}
model_method: bayesian_optimization
name: bayesian_optimization
parameters:
 decision_variables:
 keys:
 - max_keys
 decision_variables_names:
 - graph_structure
 exploration_strategy: ei
 ground_truth_topology:
 keys:
 - max_keys
 initial_points: 100
 n_iterations: 3750
 num_pool: 5
 seed: 16
report_parameters: {}
running_time: 351594.8977675438
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with most optimal solution:

	graph_structure	min_distance	round
0	38706	125.25108	38706

bayesian_optimization

Parameters

cm_name: bo_s11
dataframe_in: data_out
description: Bayesian optimization method for optimization of timeseries
diff_func_name: manhattan_metrics
diff_func_parameters: {}
model_method: bayesian_optimization
name: bayesian_optimization
parameters:
 decision_variables:
 keys:
 - max_keys
 decision_variables_names:
 - graph_structure
 exploration_strategy: ei
 ground_truth_topology:
 keys:
 - max_keys
 initial_points: 100
 n_iterations: 3750
 num_pool: 5
 seed: 11
report_parameters: {}
running_time: 364890.2114472389
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with most optimal solution:

	graph_structure	min_distance	round
0	24611	104.656062	24611

Summary

Model Name	Model Method	Score	Difference Function	Dataframe	Duration
bo_s16	bayesian_optimization	0.99	manhattan_metrics	data_out	351594.898 sec
bo_s11	bayesian_optimization	0.97	manhattan_metrics	data_out	364890.211 sec