

bayesian_optimization

Parameters

cm_name: bo_s6
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: 6
report_parameters: {}
running_time: 292781.37500333786
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with most optimal solution:

	graph_structure	min_distance	round
0	39827	82.728445	39827

bayesian_optimization

Parameters

cm_name: bo_s1
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: 1
report_parameters: {}
running_time: 345812.2619879246
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with most optimal solution:

	graph_structure	min_distance	round
0	33741	90.198719	33741

Summary

Model Name	Model Method	Score	Difference Function	Dataframe	Duration
bo_s6	bayesian_optimization	0.99	manhattan_metrics	data_out	292781.375 sec
bo_s1	bayesian_optimization	0.98	manhattan_metrics	data_out	345812.262 sec