

bayesian_optimization

Parameters

cm_name: bo_60
dataframe_in: data_missing_60
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: 193825.04182243347
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with most optimal solution:

	graph_structure	min_distance	round
0	34016	7.557813	34016

bayesian_optimization

Parameters

cm_name: bo_50
dataframe_in: data_missing_50
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: 194603.5782008171
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with most optimal solution:

	graph_structure	min_distance	round
0	35032	5.011695	35032

Summary

Model Name	Model Method	Score	Difference Function	Dataframe	Duration
bo_60	bayesian_optimization	0.98	manhattan_metrics	data_missing_60	193825.042 sec
bo_50	bayesian_optimization	0.98	manhattan_metrics	data_missing_50	194603.578 sec