

bayesian_optimization

Parameters

cm_name: bo_40
dataframe_in: data_missing_40
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: 245777.98805570602
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with most optimal solution:

	graph_structure	min_distance	round
0	35304	2.13295	35304

bayesian_optimization

Parameters

cm_name: bo_30
dataframe_in: data_missing_30
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: 240099.7366065979
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with most optimal solution:

	graph_structure	min_distance	round
0	25891	1.03079	25891

Summary

Model Name	Model Method	Score	Difference Function	Dataframe	Duration
bo_40	bayesian_optimization	0.98	manhattan_metrics	data_missing_40	245777.988 sec
bo_30	bayesian_optimization	0.97	manhattan_metrics	data_missing_30	240099.737 sec