

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: 21
report_parameters: {}
running_time: 216574.8335134983
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with most optimal solution:

	graph_structure	min_distance	round
0	5901	7.586475	5901

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: 21
report_parameters: {}
running_time: 188239.95222330093
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with most optimal solution:

	graph_structure	min_distance	round
0	26110	7.16196	26110

Summary

Model Name	Model Method	Score	Difference Function	Dataframe	Duration
bo_60	bayesian_optimization	0.96	manhattan_metrics	data_missing_60	216574.834 sec
bo_50	bayesian_optimization	0.97	manhattan_metrics	data_missing_50	188239.952 sec