

bayesian_optimization

Parameters

cm_name: bo_70
dataframe_in: data_missing_70
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: 212215.1741554737
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with most optimal solution:

	graph_structure	min_distance	round
0	19040	7.565158	19040

bayesian_optimization

Parameters

cm_name: bo_80
dataframe_in: data_missing_80
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: 257246.87106442451
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with most optimal solution:

	graph_structure	min_distance	round
0	5428	8.095691	5428

Summary

Model Name	Model Method	Score	Difference Function	Dataframe	Duration
bo_80	bayesian_optimization	0.96	manhattan_metrics	data_missing_80	257246.871 sec
bo_70	bayesian_optimization	0.97	manhattan_metrics	data_missing_70	212215.174 sec