

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: 1
report_parameters: {}
running_time: 221708.90995430946
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with most optimal solution:

	graph_structure	min_distance	round
0	38391	7.531411	38391

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: 1
report_parameters: {}
running_time: 221746.8839302063
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with most optimal solution:

	graph_structure	min_distance	round
0	19040	8.04361	19040

Summary

Model Name	Model Method	Score	Difference Function	Dataframe	Duration
bo_80	bayesian_optimization	0.97	manhattan_metrics	data_missing_80	221746.884 sec
bo_70	bayesian_optimization	0.99	manhattan_metrics	data_missing_70	221708.910 sec