

bayesian_optimization

Parameters

cm_name: bo_90_s6
dataframe_in: data_missing_90
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: 194894.6353623867
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with most optimal solution:

| | graph_structure | min_distance | round |
|---|-----------------|--------------|-------|
| 0 | 32796 | 2.705339 | 32796 |

bayesian_optimization

Parameters

cm_name: bo_90_s1
dataframe_in: data_missing_90
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: 192525.74168515205
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with most optimal solution:

| | graph_structure | min_distance | round |
|---|-----------------|--------------|-------|
| 0 | 37101 | 2.299081 | 37101 |

Summary

| Model Name | Model Method | Score | Difference Function | Dataframe | Duration |
|------------|-----------------------|-------|---------------------|-----------------|----------------|
| bo_90_s6 | bayesian_optimization | 0.97 | manhattan_metrics | data_missing_90 | 194894.635 sec |
| bo_90_s1 | bayesian_optimization | 0.98 | manhattan_metrics | data_missing_90 | 192525.742 sec |