

bayesian_optimization

Parameters

cm_name: bo_s16
dataframe_in: data_out
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: 286455.34692811966
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with most optimal solution:

| | graph_structure | min_distance | round |
|---|-----------------|--------------|-------|
| 0 | 38391 | 78.767545 | 38391 |

bayesian_optimization

Parameters

cm_name: bo_s11
dataframe_in: data_out
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: 11
report_parameters: {}
running_time: 286248.08696627617
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with most optimal solution:

| | graph_structure | min_distance | round |
|---|-----------------|--------------|-------|
| 0 | 3692 | 78.577926 | 3692 |

Summary

| Model Name | Model Method | Score | Difference Function | Dataframe | Duration |
|------------|-----------------------|-------|---------------------|-----------|----------------|
| bo_s16 | bayesian_optimization | 0.99 | manhattan_metrics | data_out | 286455.347 sec |
| bo_s11 | bayesian_optimization | 0.96 | manhattan_metrics | data_out | 286248.087 sec |