bayesian_optimization

Parameters

cm_name: bo_s26
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: 26
report_parameters: {}
running_time: 330010.55060982704
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with most optimal solution:

	graph_structure	min_distance	round
0	24611	104.656062	24611

bayesian_optimization

Parameters

cm_name: bo_s21
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: 21
report_parameters: {}
running_time: 317256.22058081627
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with most optimal solution:
  graph_structure min_distance round
0   39827   94.058433 39827

Summary

Model Name	Model Method	Score	Difference Function	Dataframe	Duration
bo_s26	bayesian_optimization	0.97	manhattan_metrics	data_out	330010.551 sec
bo_s21	bayesian_optimization	0.99	manhattan_metrics	data_out	317256.221 sec