approximate_bayesian_computation

Parameters

cm_name: abc_10
dataframe_in: data_missing_10
description: Approximate Bayesian Computation for Time Series
diff_func_name: manhattan_metrics
diff_func_parameters: {}
model_method: approximate_bayesian_computation
name: approximate_bayesian_computation
parameters:
  algorithm: pydream
  decision_variables:
    keys:
    - max_keys
  decision_variables_names:
  - graph_structure
  epsilons:
  - 1
  ground_truth_topology:
    keys:
    - max_keys
  initial_points: 100
  n_chains: 3
  n_draws: 15000
  n_iterations: 100
  nfe: 15000
  num_pool: 1
  population_size: 100
  seed: 26
report_parameters: {}
running_time: 182716.72160577774
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with solutions:

	graph_structure	Distance
0	31597.533350	45.968818
1	31567.248932	43.194691
2	31536.964515	30.971240
3	10160.840331	16.442851
4	10160.840331	16.227205
...	...	...
19375	0.103807	18.528078
19376	0.103891	18.382182
19377	0.103975	18.687461
19378	0.104059	18.385188
19379	0.104144	18.760895

[19380 rows x 2 columns]

with the most optimal solution:

	graph_structure	Distance	round
0	0.0	16.051953	0.0

with an acceptance percentage of 24.997220554554957%