approximate_bayesian_computation

Parameters

cm_name: abc_70

dataframe_in: data_missing_70

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: 21

report_parameters: {}

running_time: 186839.9943470955

type: calibrationmodel

version: 1.0.0

Results

Summary CalibrationModel with solutions:

	graph_structure	Distance
0	2782.768614	39.987928
1	2782.768614	41.200057
2	0.000000	40.111100
3	0.000000	39.932307
4	0.000000	38.849892
..	...	...
974	0.000000	34.292888
975	0.000000	34.666518
976	0.000000	37.501244
977	0.000000	31.260294
978	0.000000	28.848452

[979 rows x 2 columns]

with the most optimal solution:

	graph_structure	Distance	round
0	0.0	28.848452	0.0

with an acceptance percentage of 0.011117781780179222%