approximate_bayesian_computation

Parameters

cm_name: abc_60

dataframe_in: data_missing_60

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: 1

report_parameters: {}

running_time: 201479.28778481483

type: calibrationmodel

version: 1.0.0

Results

Summary CalibrationModel with solutions:

	graph_structure	Distance
0	16767.361382	30.390699
1	0.000000	28.395445
2	0.000000	28.947705
3	0.000000	30.217538
4	0.000000	31.942916
...	...	...
6229	0.000003	31.806532
6230	0.000003	32.107886
6231	0.000003	31.844848
6232	0.000003	33.255214
6233	0.000003	27.142936

[6234 rows x 2 columns]

with the most optimal solution:

	graph_structure	Distance	round
0	0.0	23.668014	0.0

with an acceptance percentage of 9.038756587285706%