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: 183414.79881978035

type: calibrationmodel

version: 1.0.0

Results

Summary CalibrationModel with solutions:

	graph_structure	Distance
0	31597.533350	51.614414
1	31567.248932	47.692559
2	39999.000000	32.091241
3	39999.000000	30.841709
4	39999.000000	29.328774
...	...	...
16225	0.046929	16.326263
16226	0.046974	16.345230
16227	0.047019	18.530519
16228	0.047064	18.175265
16229	0.047108	17.816096

[16230 rows x 2 columns]

with the most optimal solution:

	graph_structure	Distance	round
0	0.002821	14.587672	0.0
1	0.002428	14.587672	0.0
2	0.001429	14.587672	0.0

with an acceptance percentage of 21.45287172303382%