approximate_bayesian_computation

Parameters

cm_name: abc_40

dataframe_in: data_missing_40

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: 11

report_parameters: {}

running_time: 183107.84629416466

type: calibrationmodel

version: 1.0.0

Results

Summary CalibrationModel with solutions:

	graph_structure	Distance
0	0.000000e+00	16.217934
1	0.000000e+00	15.240828
2	0.000000e+00	15.809167
3	0.000000e+00	16.894443
4	0.000000e+00	16.365025
...	...	...
25110	1.464889e-09	16.234067
25111	7.831976e-10	16.052460
25112	7.831976e-10	15.699546
25113	7.831976e-10	15.527553
25114	1.015059e-10	15.770026

[25115 rows x 2 columns]

with the most optimal solution:

```
   graph_structure  Distance  round
0    2.995748e-07  14.656478    0.0
```

with an acceptance percentage of 27.62768772374536%