approximate_bayesian_computation

Parameters

cm_name: abc_90_s1

dataframe_in: data_missing_90

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: 186832.34956002235

type: calibrationmodel

version: 1.0.0

Results

Summary CalibrationModel with solutions:

	graph_structure	Distance
0	2782.768614	21.667143
1	2782.768614	21.013740
2	0.000000	20.766214
3	0.000000	19.667727
4	0.000000	19.455108
...	...	...
17301	0.000000	20.473668
17302	0.000000	20.815238
17303	0.000000	20.513601
17304	0.000000	20.203305
17305	0.000000	20.027300

[17306 rows x 2 columns]

with the most optimal solution:

```
   graph_structure  Distance  round
0              0.0  18.35291    0.0
```

with an acceptance percentage of 0.011117781780179222%