approximate_bayesian_computation

Parameters

cm_name: abc_20

dataframe_in: data_missing_20

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: 190250.25811100006

type: calibrationmodel

version: 1.0.0

Results

Summary CalibrationModel with solutions:

	graph_structure	Distance
0	31597.533350	45.009044
1	31567.248932	41.439270
2	39999.000000	29.529839
3	39999.000000	28.405647
4	39999.000000	27.054995
...	...	...
23532	0.000000	15.327423
23533	0.000000	15.619998
23534	0.000000	17.106115
23535	0.000000	15.792329
23536	0.000000	15.190086

[23537 rows x 2 columns]

with the most optimal solution:
```
   graph_structure  Distance  round
0            0.0  14.375996   0.0
```
with an acceptance percentage of 19.70515642718965%