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: 180576.5428276062

type: calibrationmodel

version: 1.0.0

Results

Summary CalibrationModel with solutions:

	graph_structure	Distance
0	0.000000e+00	19.787480
1	0.000000e+00	18.734602
2	0.000000e+00	18.871778
3	0.000000e+00	19.997694
4	0.000000e+00	19.933159
...	...	...
18869	1.367661e-09	18.986277
18870	7.794311e-10	19.275959
18871	1.912015e-10	19.452370
18872	0.000000e+00	19.159600
18873	0.000000e+00	19.640341

[18874 rows x 2 columns]

with the most optimal solution:
```
   graph_structure  Distance  round
0             0.0  17.311529    0.0
```
with an acceptance percentage of 25.433037600337986%