approximate_bayesian_computation

Parameters

cm_name: abc_90_s6

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: 6

report_parameters: {}

running_time: 181347.1081111431

type: calibrationmodel

version: 1.0.0

Results

Summary CalibrationModel with solutions:

	graph_structure	Distance
0	17525.218903	21.315306
1	17525.218903	20.387596
2	17525.218903	19.734742
3	17525.218903	18.426174
4	0.000000	16.789873
...	...	...
16125	0.000000	16.589527
16126	0.000000	16.411883
16127	0.000000	16.204656
16128	0.000000	17.019666
16129	0.000000	17.102057

[16130 rows x 2 columns]

with the most optimal solution:
```
   graph_structure  Distance  round
0            0.0  14.774951    0.0
```
with an acceptance percentage of 0.011117781780179222%