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: 186400.04335570335

type: calibrationmodel

version: 1.0.0

Results

Summary CalibrationModel with solutions:

	graph_structure	Distance
0	2782.768614	16.634364
1	2782.768614	16.554734
2	0.000000	16.286697
3	0.000000	16.528672
4	0.000000	15.992107
...	...	...
12581	0.000000	17.053158
12582	0.000000	16.528005
12583	0.000000	17.951065
12584	0.000000	16.095854
12585	0.000000	15.871547

[12586 rows x 2 columns]

with the most optimal solution:
```
   graph_structure  Distance  round
0            0.0  15.042486    0.0
```
with an acceptance percentage of 0.0066706690681075315%