approximate_bayesian_computation

Parameters

cm_name: abc_80

dataframe_in: data_missing_80

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: 186609.7592880726

type: calibrationmodel

version: 1.0.0

Results

Summary CalibrationModel with solutions:

	graph_structure	Distance
0	2782.768614	21.192830
1	2782.768614	20.578201
2	0.000000	20.439641
3	0.000000	19.378192
4	0.000000	19.185049
...	...	...
8984	0.000000	19.672666
8985	0.000000	19.038400
8986	0.000000	19.646849
8987	0.000000	20.847256
8988	0.000000	22.601109

[8989 rows x 2 columns]

with the most optimal solution:

	graph_structure	Distance	round
0	0.0	18.177476	0.0

with an acceptance percentage of 0.011117781780179222%