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: 6

report_parameters: {}

running_time: 184735.73254275322

type: calibrationmodel

version: 1.0.0

Results

Summary CalibrationModel with solutions:

	graph_structure	Distance
0	17525.218903	21.989935
1	17525.218903	21.122435
2	17525.218903	20.208344
3	17525.218903	18.555925
4	0.000000	17.855407
...	...	...
20395	0.000000	18.384371
20396	0.000000	19.251225
20397	0.000000	18.906802
20398	0.000000	16.782330
20399	0.000000	17.003782

[20400 rows x 2 columns]

with the most optimal solution:
   graph_structure Distance round
0   0.0 15.602208   0.0
 with an acceptance percentage of 0.011117781780179222%