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: 6

report_parameters: {}

running_time: 186237.7276418209

type: calibrationmodel

version: 1.0.0

Results

Summary CalibrationModel with solutions:

	graph_structure	Distance
0	17525.218903	21.202821
1	17525.218903	20.270929
2	17525.218903	19.616356
3	17525.218903	18.302391
4	0.000000	16.704588
...	...	...
12768	0.000000	16.647419
12769	0.000000	16.470622
12770	0.000000	16.593571
12771	0.000000	15.908563
12772	0.000000	16.180817

[12773 rows x 2 columns]

with the most optimal solution:

	graph_structure	Distance	round
0	0.0	14.91951	0.0

with an acceptance percentage of 0.011117781780179222%