approximate_bayesian_computation

Parameters

cm_name: abc_70

dataframe_in: data_missing_70

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: 26

report_parameters: {}

running_time: 184398.05857086182

type: calibrationmodel

version: 1.0.0

Results

Summary CalibrationModel with solutions:

	graph_structure	Distance
0	3.159753e+04	142.827612
1	3.156725e+04	132.541779
2	3.999900e+04	75.585796
3	3.999900e+04	75.139530
4	3.999900e+04	68.356464
...	...	...
1532	3.331885e-11	39.855237
1533	3.351484e-11	39.592121
1534	3.351484e-11	36.316823
1535	3.371083e-11	34.998726
1536	3.390683e-11	33.526964

[1537 rows x 2 columns]

with the most optimal solution:

	graph_structure	Distance	round
0	1.959932e-12	30.49594	0.0

with an acceptance percentage of 2.592666711137794%