approximate_bayesian_computation

Parameters

cm_name: abc_90_s6

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: 26

report_parameters: {}

running_time: 185731.39046382904

type: calibrationmodel

version: 1.0.0

Results

Summary CalibrationModel with solutions:

	graph_structure	Distance
0	31597.533350	42.772943
1	31567.248932	39.492977
2	31536.964515	24.364739
3	10223.034214	15.903761
4	0.000000	15.703343
...	...	...
21312	0.240956	16.070817
21313	0.241125	16.301829
21314	0.241294	16.646904
21315	0.241294	17.211659
21316	0.241462	16.565303

[21317 rows x 2 columns]

with the most optimal solution:

	graph_structure	Distance	round
0	0.0	14.774951	0.0

 with an acceptance percentage of 29.181953616614415%