approximate_bayesian_computation

Parameters

cm_name: abc_40

dataframe_in: data_missing_40

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: 16

report_parameters: {}

running_time: 351222.3374669552

type: calibrationmodel

version: 1.0.0

Results

Summary CalibrationModel with solutions:

	graph_structure	Distance
0	22546.691528	31.985115
1	22546.691528	32.103357
2	22546.691528	31.146270
3	22546.691528	29.244925
4	22546.691528	29.744518
...	...	...
12433	34589.479087	17.601385
12434	34589.479087	17.287015
12435	34589.479087	17.357551
12436	34589.479087	17.667397
12437	34589.479087	17.680063

[12438 rows x 2 columns]

with the most optimal solution:

	graph_structure	Distance	round
0	34589.479087	16.299042	34589.0

with an acceptance percentage of 0.008894225424143375%