approximate_bayesian_computation

Parameters

cm_name: abc_60

dataframe_in: data_missing_60

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: 225618.9145257473

type: calibrationmodel

version: 1.0.0

Results

Summary CalibrationModel with solutions:

	graph_structure	Distance
0	22546.691528	37.093268
1	33368.040374	35.498172
2	39999.000000	27.320624
3	39999.000000	26.963214
4	39999.000000	29.000151
...	...	...
19384	34589.479087	14.270271
19385	34589.479087	14.395927
19386	34589.479087	14.708064
19387	34589.479087	14.247017
19388	34589.479087	15.280141

[19389 rows x 2 columns]

with the most optimal solution:

	graph_structure	Distance	round
0	34589.479087	13.64104	34589.0

with an acceptance percentage of 0.013341338136215063%