approximate_bayesian_computation
Parameters

cm_name: abc_50

dataframe_in: data_missing_50

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: 184890.0420794487

type: calibrationmodel

version: 1.0.0

Results

Summary CalibrationModel with solutions:

	graph_structure	Distance
0	31597.533350	51.943520
1	31567.248932	49.094256
2	31536.964515	37.626363
3	10160.840331	18.117227
4	10160.840331	17.973032
...	...	...
21189	0.076966	19.572444
21190	0.077035	18.851779
21191	0.077103	18.287477
21192	0.077172	17.547196
21193	0.000333	17.536052

[21194 rows x 2 columns]

with the most optimal solution:

	graph_structure	Distance	round
0	0.049889	16.403901	0.0
1	0.045700	16.403901	0.0

with an acceptance percentage of 23.060502968447736%