approximate_bayesian_computation

Parameters

cm_name: abc_80

dataframe_in: data_missing_80

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: 11

report_parameters: {}

running_time: 182542.321038723

type: calibrationmodel

version: 1.0.0

Results

Summary CalibrationModel with solutions:

	graph_structure	Distance
0	0.000000	55.387027
1	0.000000	56.492059
2	0.000000	53.523033
3	0.000000	52.304252
4	0.000000	49.364792
..	...	...
437	0.000003	43.364136
438	0.000003	46.429664
439	0.000003	48.360033
440	0.000003	46.175897
441	0.000003	47.719920

[442 rows x 2 columns]

with the most optimal solution:

	graph_structure	Distance	round
0	0.0	42.859522	0.0

with an acceptance percentage of 0.6692904631667889%