approximate_bayesian_computation

Parameters

cm_name: abc_70
dataframe_in: data_missing_70
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: 182486.76633048058
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with solutions:

	graph_structure	Distance
0	0.000000e+00	16.374923
1	0.000000e+00	15.327138
2	0.000000e+00	15.935538
3	0.000000e+00	17.038495
4	0.000000e+00	16.516381
...	...	...
26668	2.134335e-09	15.927180
26669	2.136084e-09	15.925032
26670	1.460234e-09	15.743950
26671	7.843836e-10	16.258228
26672	1.085333e-10	15.746084

[26673 rows x 2 columns]

with the most optimal solution:

	graph_structure	Distance	round
0	7.380818e-09	14.580596	0.0

with an acceptance percentage of 27.398661419073665%