approximate_bayesian_computation

Parameters

cm_name: abc_30
dataframe_in: data_missing_30
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: 181625.97116470337
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with solutions:

	graph_structure	Distance
0	0.000000e+00	20.422615
1	0.000000e+00	19.453279
2	0.000000e+00	19.243826
3	0.000000e+00	21.102504
4	0.000000e+00	19.942591
...	...	...
13198	4.406957e-07	19.881609
13199	4.409779e-07	17.880591
13200	4.412600e-07	20.449934
13201	4.415422e-07	19.281238
13202	3.323964e-11	19.101176

[13203 rows x 2 columns]

with the most optimal solution:

	graph_structure	Distance	round
0	0.0	16.584847	0.0

with an acceptance percentage of 22.3511884908723%