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: 26
report_parameters: {}
running_time: 184553.47123217583
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with solutions:

	graph_structure	Distance
0	31597.533350	51.770187
1	31567.248932	49.059271
2	31536.964515	39.215235
3	10160.840331	19.190228
4	10160.840331	19.059605
...	...	...
21233	0.000000	19.436021
21234	0.000000	19.447087
21235	0.000000	20.302304
21236	0.000000	20.307313
21237	0.000000	18.855696

[21238 rows x 2 columns]

with the most optimal solution:

	graph_structure	Distance	round
0	0.000457	17.157248	0.0
1	0.000460	17.157248	0.0

with an acceptance percentage of 22.976007826918373%