approximate_bayesian_computation

Parameters

cm_name: abc_60
dataframe_in: data_missing_60
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: 183120.1812915802
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with solutions:

	graph_structure	Distance
0	31597.533350	110.563106
1	31567.248932	102.477783
2	39999.000000	58.497268
3	39999.000000	57.444933
4	39999.000000	52.713855
...	...	...
5919	0.000000	29.792136
5920	0.000000	28.746868
5921	0.000000	26.171330
5922	0.000000	28.512078
5923	0.000000	26.473783

[5924 rows x 2 columns]

with the most optimal solution:

	graph_structure	Distance	round
0	0.0	23.668014	0.0

with an acceptance percentage of 6.810753118537789%