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: 184040.1213786602
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with solutions:

	graph_structure	Distance
0	31597.533350	43.637260
1	31567.248932	40.210732
2	10191.124749	37.568005
3	21260.288346	39.059831
4	10498.755033	15.079273
...	...	...
21497	0.205181	17.202243
21498	0.205326	15.799550
21499	0.205470	15.567932
21500	0.205615	15.686073
21501	0.205615	15.768394

[21502 rows x 2 columns]

with the most optimal solution:

	graph_structure	Distance	round
0	0.0	14.580596	0.0

with an acceptance percentage of 29.2553309763636%