approximate_bayesian_computation

Parameters

cm_name: abc_80
dataframe_in: data_missing_80
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: 16
report_parameters: {}
running_time: 309954.70781326294
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with solutions:

	graph_structure	Distance
0	22546.691528	114.295354
1	22546.691528	99.070878
2	22546.691528	88.945165
3	22546.691528	71.168037
4	22546.691528	62.389187
..	...	...
210	34589.479087	42.319560
211	34589.479087	41.543172
212	34589.479087	40.642234
213	34589.479087	42.717331
214	34589.479087	42.297379

[215 rows x 2 columns]

with the most optimal solution:

	graph_structure	Distance	round
0	34589.479087	37.741499	34589.0

with an acceptance percentage of 0.008894225424143375%