approximate_bayesian_computation

Parameters

cm_name: abc_90_s6
dataframe_in: data_missing_90
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: 310746.9417886734
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with solutions:

	graph_structure	Distance
0	22546.691528	36.342802
1	22546.691528	31.043481
2	22546.691528	29.892284
3	22546.691528	29.037414
4	22546.691528	30.592989
...	...	...
11039	34589.479087	19.607112
11040	34589.479087	19.703053
11041	34589.479087	19.932971
11042	34589.479087	20.065031
11043	34589.479087	18.773049

[11044 rows x 2 columns]

with the most optimal solution:

	graph_structure	Distance	round
0	34589.479087	17.791017	34589.0

with an acceptance percentage of 0.008894225424143375%