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: 16
report_parameters: {}
running_time: 161325.5445086956
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with solutions:

	graph_structure	Distance
0	22546.691528	66.348030
1	39999.000000	58.618663
2	39999.000000	52.975256
3	39999.000000	52.176623
4	39999.000000	54.046587
...	...	...
1608	39999.000000	49.862339
1609	39999.000000	49.986892
1610	39999.000000	48.893474
1611	39999.000000	48.569830
1612	39999.000000	48.647137

[1613 rows x 2 columns]

with the most optimal solution:

	graph_structure	Distance	round
0	39999.0	46.318802	39999.0

with an acceptance percentage of 0.006670669068107531 5%