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: 26
report_parameters: {}
running_time: 183880.4387280941
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with solutions:

	graph_structure	Distance
0	3.159753e+04	43.420786
1	3.156725e+04	40.019960
2	3.999900e+04	28.677581
3	3.999900e+04	27.414790
4	3.999900e+04	26.402571
...	...	...
27494	1.589505e-10	16.186875
27495	1.591465e-10	15.825515
27496	1.591465e-10	15.553366
27497	1.593425e-10	17.216096
27498	1.595385e-10	16.067152

[27499 rows x 2 columns]

with the most optimal solution:

	graph_structure	Distance	round
0	0.0	14.91951	0.0

with an acceptance percentage of 34.92095257154293%