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: 21

report_parameters: {}

running_time: 185955.20947623253

type: calibrationmodel

version: 1.0.0

Results

Summary CalibrationModel with solutions:

	graph_structure	Distance
0	2782.768614	58.015920
1	2782.768614	59.580176
2	0.000000	57.422795
3	0.000000	56.101335
4	0.000000	55.526005
..	...	...
393	0.000000	50.470019
394	0.000000	48.504026
395	0.000000	45.867997
396	0.000000	45.896428
397	0.000000	47.660278

[398 rows x 2 columns]

with the most optimal solution:

```
   graph_structure  Distance  round
0            0.0  42.859522    0.0
```

with an acceptance percentage of 0.011117781780179222%