approximate_bayesian_computation

Parameters

cm_name: abc_40

dataframe_in: data_missing_40

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: 6

report_parameters: {}

running_time: 181866.3486623764

type: calibrationmodel

version: 1.0.0

Results

Summary CalibrationModel with solutions:

	graph_structure	Distance
0	17525.218903	29.238056
1	17525.218903	27.769951
2	17525.218903	26.470348
3	17525.218903	23.126281
4	0.000000	22.637979
...	...	...
6510	0.000000	21.539259
6511	0.000000	23.387361
6512	0.000000	23.604833
6513	0.000000	21.875649
6514	0.000000	18.874026

[6515 rows x 2 columns]

with the most optimal solution:

```
   graph_structure  Distance  round
0            0.0  18.385728    0.0
```

with an acceptance percentage of 0.008894225424143375%