approximate_bayesian_computation

Parameters

cm_name: abc_70

dataframe_in: data_missing_70

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: 211425.87239170074

type: calibrationmodel

version: 1.0.0

Results

Summary CalibrationModel with solutions:

	graph_structure	Distance
0	22546.691528	82.446734
1	22546.691528	65.184544
2	22546.691528	66.174526
3	22546.691528	66.219496
4	22546.691528	64.314812
..	...	...
524	34589.479087	29.898330
525	34589.479087	29.935580
526	34589.479087	29.548090
527	34589.479087	29.632535
528	34589.479087	29.790195

[529 rows x 2 columns]

with the most optimal solution:

```
   graph_structure   Distance    round
0    34589.479087  25.698126  34589.0
```

with an acceptance percentage of 0.008894225424143375%