approximate_bayesian_computation

Parameters

cm_name: abc_50
dataframe_in: data_missing_50
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: 184385.56558990479
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with solutions:

	graph_structure	Distance
0	31597.533350	44.376582
1	31567.248932	40.784417
2	10191.124749	38.127930
3	21260.288346	39.668106
4	10498.755033	14.981495
...	...	...
21306	0.000000	15.700815
21307	0.000000	15.009579
21308	0.000000	16.538287
21309	0.000000	15.740884
21310	0.000000	16.028925

[21311 rows x 2 columns]

with the most optimal solution:

```
   graph_structure  Distance  round
0            0.0  14.458594    0.0
```

with an acceptance percentage of 29.34427323060503%