approximate_bayesian_computation

Parameters

cm_name: abc_20

dataframe_in: data_missing_20

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: 184761.96406459808

type: calibrationmodel

version: 1.0.0

Results

Summary CalibrationModel with solutions:

	graph_structure	Distance
0	31597.533350	57.787634
1	31567.248932	53.445861
2	39999.000000	34.569757
3	39999.000000	33.178284
4	39999.000000	31.541440
...	...	...
15002	0.000000	18.308229
15003	0.000000	20.503393
15004	0.000000	19.247678
15005	0.000000	19.153011
15006	0.000000	19.421147

[15007 rows x 2 columns]

with the most optimal solution:

	graph_structure	Distance	round
0	5.683803e-12	15.400644	0.0

with an acceptance percentage of 21.850888310764237%