

approximate_bayesian_computation

Parameters

cm_name: abc_30
dataframe_in: data_missing_30
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: 185767.76749157906
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with solutions:

	graph_structure	Distance
0	2782.768614	19.098760
1	2782.768614	18.700338
2	0.000000	18.496763
3	0.000000	18.689838
4	0.000000	18.242427
...
12479	0.000000	18.570985
12480	0.000000	18.245741
12481	0.000000	18.086436
12482	0.000000	18.816760
12483	0.000000	18.405262

[12484 rows x 2 columns]

with the most optimal solution:

	graph_structure	Distance	round
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0	0.0	16.669574	0.0
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with an acceptance percentage of 0.008894225424143375%