

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: 16
report_parameters: {}
running_time: 182342.3311226368
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with solutions:

	graph_structure	Distance
0	2.254669e+04	35.469256
1	3.878443e+04	18.181530
2	3.878443e+04	19.047959
3	3.878443e+04	18.947788
4	3.878443e+04	18.125195
...
16401	8.854052e-11	19.005633
16402	8.866846e-11	18.736044
16403	8.879641e-11	18.466437
16404	8.892436e-11	18.284638
16405	8.905231e-11	17.750887

[16406 rows x 2 columns]

with the most optimal solution:

	graph_structure	Distance	round
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0	0.0	16.403901	0.0
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with an acceptance percentage of 20.4344829119694%