

approximate_bayesian_computation

Parameters

cm_name: abc_10
dataframe_in: data_missing_10
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: 183673.2232749462
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with solutions:

	graph_structure	Distance
0	31597.533350	46.125620
1	31567.248932	42.468325
2	10191.124749	39.713992
3	21260.288346	41.350388
4	10498.755033	14.703203
...
17663	0.110414	16.723256
17664	0.110503	16.338820
17665	0.110592	16.412185
17666	0.110681	16.732757
17667	0.110770	16.118112

[17668 rows x 2 columns]

with the most optimal solution:

	graph_structure	Distance	round
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0	0.0	14.12345	0.0
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with an acceptance percentage of 25.284059324483582%