

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: 11
report_parameters: {}
running_time: 183180.44997096062
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with solutions:

	graph_structure	Distance
0	0.000000e+00	18.618633
1	0.000000e+00	17.809326
2	0.000000e+00	17.784778
3	0.000000e+00	19.126783
4	0.000000e+00	18.984193
...
17220	1.821182e-09	18.676456
17221	1.822932e-09	16.916640
17222	1.260988e-09	17.735486
17223	6.990449e-10	18.175286
17224	1.371015e-10	18.400235

[17225 rows x 2 columns]

with the most optimal solution:

	graph_structure	Distance	round
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0	0.0	16.349492	0.0
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with an acceptance percentage of 23.574144486692013%