

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: 11
report_parameters: {}
running_time: 183644.17721533775
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with solutions:

	graph_structure	Distance
0	0.000000e+00	26.046921
1	0.000000e+00	24.793731
2	0.000000e+00	24.455870
3	0.000000e+00	25.386208
4	0.000000e+00	22.799607
...
9888	5.841108e-10	26.468977
9889	4.631913e-10	26.185683
9890	3.422719e-10	24.787224
9891	2.213524e-10	25.401803
9892	1.004329e-10	25.035377

[9893 rows x 2 columns]

with the most optimal solution:

	graph_structure	Distance	round
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0	0.0	20.065159	0.0
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with an acceptance percentage of 10.148311208947591%