

approximate_bayesian_computation

Parameters

cm_name: abc_60
dataframe_in: data_missing_60
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: 182980.52415513992
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with solutions:

	graph_structure	Distance
0	2.254669e+04	34.025710
1	3.878443e+04	19.678603
2	3.878443e+04	20.268701
3	3.878443e+04	19.515661
4	3.878443e+04	20.154980
...
16173	9.122744e-11	21.269748
16174	9.135539e-11	19.984316
16175	9.148334e-11	20.412139
16176	9.161128e-11	19.764118
16177	9.173923e-11	19.445516

[16178 rows x 2 columns]

with the most optimal solution:

	graph_structure	Distance	round
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0	0.0	18.077538	0.0
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with an acceptance percentage of 21.005936895470615%