

approximate_bayesian_computation

Parameters

cm_name: abc_70
dataframe_in: data_missing_70
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: 6
report_parameters: {}
running_time: 185516.4973294735
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with solutions:

	graph_structure	Distance
0	17525.218903	21.951769
1	17525.218903	20.941443
2	17525.218903	20.200515
3	17525.218903	18.736674
4	0.000000	16.594902
...
13240	0.000000	16.190197
13241	0.000000	16.875633
13242	0.000000	16.689019
13243	0.000000	16.442072
13244	0.000000	16.262435

[13245 rows x 2 columns]

with the most optimal solution:

	graph_structure	Distance	round
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0	0.0	14.762234	0.0
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with an acceptance percentage of 0.011117781780179222%