

approximate_bayesian_computation

Parameters

cm_name: abc_20
dataframe_in: data_missing_20
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: 21
report_parameters: {}
running_time: 186449.82008099556
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with solutions:

	graph_structure	Distance
0	2782.768614	18.037121
1	2782.768614	18.230416
2	0.000000	18.388842
3	0.000000	18.602096
4	0.000000	17.687654
...
8446	0.000000	19.163678
8447	0.000000	19.452289
8448	0.000000	18.047505
8449	0.000000	15.747227
8450	0.000000	18.076866

[8451 rows x 2 columns]

with the most optimal solution:

	graph_structure	Distance	round
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0	0.0	15.428045	0.0
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with an acceptance percentage of 0.013341338136215063%