

approximate_bayesian_computation

Parameters

cm_name: abc_40
dataframe_in: data_missing_40
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: 26
report_parameters: {}
running_time: 183625.94278478622
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with solutions:

	graph_structure	Distance
0	31597.533350	74.764870
1	31567.248932	69.277194
2	39999.000000	41.852841
3	39999.000000	40.601382
4	39999.000000	38.298876
...
12957	0.000000	23.402417
12958	0.000000	23.541265
12959	0.000000	24.712293
12960	0.000000	22.862856
12961	0.000000	22.355506

[12962 rows x 2 columns]

with the most optimal solution:

	graph_structure	Distance	round
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0	0.0	17.713633	0.0
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with an acceptance percentage of 14.20852511506904%