

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: 21
report_parameters: {}
running_time: 186701.28490042686
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with solutions:

	graph_structure	Distance
0	2782.768614	21.829601
1	2782.768614	22.396325
2	0.000000	22.350602
3	0.000000	22.643426
4	0.000000	21.460750
...
11334	0.000000	21.929402
11335	0.000000	22.915852
11336	0.000000	23.084362
11337	0.000000	22.505556
11338	0.000000	23.040922

[11339 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 0.011117781780179222%