

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: 6
report_parameters: {}
running_time: 183187.87738728523
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with solutions:

	graph_structure	Distance
0	17525.218903	24.824830
1	17525.218903	23.596684
2	17525.218903	22.373428
3	17525.218903	19.584026
4	0.000000	18.664712
...
16452	0.000000	19.445995
16453	0.000000	19.131491
16454	0.000000	17.545216
16455	0.000000	19.100902
16456	0.000000	19.820796

[16457 rows x 2 columns]

with the most optimal solution:

	graph_structure	Distance	round
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0	0.0	15.057425	0.0
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with an acceptance percentage of 0.0066706690681075315%