

approximate_bayesian_computation

Parameters

cm_name: abc_60
dataframe_in: data_missing_60
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: 185815.19129514694
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with solutions:

	graph_structure	Distance
0	2782.768614	20.928007
1	2782.768614	20.346139
2	0.000000	20.371719
3	0.000000	19.644340
4	0.000000	19.607975
...
20275	0.000000	20.149299
20276	0.000000	21.276885
20277	0.000000	19.416414
20278	0.000000	20.605674
20279	0.000000	21.608850

[20280 rows x 2 columns]

with the most optimal solution:

	graph_structure	Distance	round
0	0.0	18.14407	0.0

with an acceptance percentage of 0.008894225424143375%