

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: 6
report_parameters: {}
running_time: 185229.4500052929
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with solutions:

	graph_structure	Distance
0	17525.218903	41.868964
1	17525.218903	39.457086
2	17525.218903	37.879642
3	17525.218903	32.842254
4	0.000000	30.942735
...
3299	0.000000	29.501297
3300	0.000000	29.655568
3301	0.000000	29.242481
3302	0.000000	29.269859
3303	0.000000	27.877180

[3304 rows x 2 columns]

with the most optimal solution:

	graph_structure	Distance	round
0	0.0	23.238272	0.0

with an acceptance percentage of 0.0066706690681075315%