

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: 185621.85700821877
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with solutions:

	graph_structure	Distance
0	31597.533350	46.183660
1	31567.248932	43.055642
2	31536.964515	32.143851
3	10223.034214	18.708822
4	0.000000	18.689580
...
21576	0.195521	19.527954
21577	0.195668	19.655112
21578	0.195815	19.051053
21579	0.195962	18.745749
21580	0.196110	18.314104

[21581 rows x 2 columns]

with the most optimal solution:

	graph_structure	Distance	round
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0	0.0	17.294976	0.0
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with an acceptance percentage of 27.06290440931225%