

approximate_bayesian_computation

Parameters

cm_name: abc_30
dataframe_in: data_missing_30
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: 11
report_parameters: {}
running_time: 179722.6705172062
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with solutions:

	graph_structure	Distance
0	0.0	19.043554
1	0.0	17.933777
2	0.0	17.933411
3	0.0	19.063660
4	0.0	18.424196
...
23782	0.0	18.190704
23783	0.0	18.077192
23784	0.0	18.626206
23785	0.0	18.130592
23786	0.0	17.670841

[23787 rows x 2 columns]

with the most optimal solution:

	graph_structure	Distance	round
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0	0.0	16.669574	0.0
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with an acceptance percentage of 23.885442376537032%