

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: 11
report_parameters: {}
running_time: 183026.38139891624
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with solutions:

	graph_structure	Distance
0	0.000000e+00	16.351192
1	0.000000e+00	15.333766
2	0.000000e+00	15.945046
3	0.000000e+00	17.036823
4	0.000000e+00	16.516720
...
24985	1.616496e-09	16.732972
24986	1.618246e-09	15.922054
24987	1.619995e-09	15.902359
24988	1.621745e-09	16.426974
24989	1.623494e-09	15.799849

[24990 rows x 2 columns]

with the most optimal solution:

	graph_structure	Distance	round
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0	0.0	14.767939	0.0
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with an acceptance percentage of 37.82714072888177%