

approximate_bayesian_computation

Parameters

cm_name: abc_50
dataframe_in: data_missing_50
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: 185303.72272276878
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with solutions:

	graph_structure	Distance
0	3.159753e+04	88.790973
1	3.156725e+04	82.244056
2	3.999900e+04	48.174210
3	3.999900e+04	47.078317
4	3.999900e+04	43.712680
...
8269	6.487375e-11	26.845184
8270	6.506975e-11	27.974529
8271	6.526574e-11	25.042822
8272	6.546173e-11	24.814826
8273	6.546173e-11	26.124632

[8274 rows x 2 columns]

with the most optimal solution:

	graph_structure	Distance	round
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0	0.0	20.867037	0.0
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with an acceptance percentage of 10.648611389055656%