

approximate_bayesian_computation

Parameters

cm_name: abc_20
dataframe_in: data_missing_20
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: 16
report_parameters: {}
running_time: 171451.02623534203
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with solutions:

	graph_structure	Distance
0	22546.691528	37.596752
1	33368.040374	33.072546
2	39999.000000	27.534924
3	39999.000000	27.256194
4	39999.000000	27.354808
...
18245	34589.479087	14.075979
18246	34589.479087	13.899537
18247	34589.479087	14.494930
18248	34589.479087	13.992228
18249	34589.479087	14.185154

[18250 rows x 2 columns]

with the most optimal solution:

	graph_structure	Distance	round
--	-----------------	----------	-------

0	34589.479087	13.358148	34589.0
---	--------------	-----------	---------

with an acceptance percentage of 0.013341338136215063%