

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: 293760.64537739754
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with solutions:

	graph_structure	Distance
0	22546.691528	35.959031
1	22546.691528	34.944401
2	22546.691528	32.335944
3	22546.691528	32.828556
4	22546.691528	29.800293
...
9405	34589.479087	16.143485
9406	34589.479087	16.243956
9407	34589.479087	16.045438
9408	34589.479087	15.091789
9409	34589.479087	15.651895

[9410 rows x 2 columns]

with the most optimal solution:

graph_structure Distance round

0 34589.479087 14.710758 34589.0

with an acceptance percentage of 0.011117781780179222%