

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: 26
report_parameters: {}
running_time: 183788.4392373562
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with solutions:

	graph_structure	Distance
0	31597.533350	44.031366
1	31567.248932	40.482377
2	10191.124749	37.885211
3	21260.288346	39.396496
4	10498.755033	15.054830
...
22151	0.200583	16.264844
22152	0.200724	16.149572
22153	0.200865	17.481425
22154	0.201005	16.982069
22155	0.201146	16.383774

[22156 rows x 2 columns]

with the most optimal solution:

	graph_structure	Distance	round
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0	0.0	14.567229	0.0
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with an acceptance percentage of 29.288684321704135%