approximate_bayesian_computation

Parameters

cm_name: abc_0_s16
dataframe_in: data_transformed_0
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
  convergence_progress: true
  decision_variables:
    keys:
    - max_keys
  decision_variables_names:
  - graph_structure
  ground_truth_topology:
    keys:
    - max_keys
  n_chains: 3
  n_draws: 21500
  seed: 16
report_parameters: {}
running_time: 378114.0707128048
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with solutions:

	graph_structure	Distance
0	22546.691528	38.191989
1	33368.040374	33.786354
2	39999.000000	27.936849
3	39999.000000	27.638605
4	39999.000000	27.729260
...	...	...
5476	34589.479087	14.179196
5477	34589.479087	14.276863
5478	34589.479087	14.496377
5479	34589.479087	14.254742
5480	34589.479087	13.987927

[5481 rows x 2 columns]
with the most optimal solution:

	graph_structure	Distance	round
0	34589.479087	13.288065	34589.0

with an acceptance percentage of 0.009341429238673517%