

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:
 - Manufacturing_Time
 epsilons:
 - 1
 n_chains: 3
 n_draws: 20000
 n_iterations: 100
 nfe: 15000
 objectives:
 - Manufacturer
 - Export_Port
 - Transit_Port
 - Import_Port
 - Wholesales_Distributor
 - Retailer_Amsterdam
 - Retailer_Utrecht
 - Retailer_Venlo
 population_size: 100
 ranges_variables:
 - - 1
 - 10
 seed: 30
report_parameters: {}
running_time: 405913.3776702881
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with solutions:

	Manufacturing_Time	Distance
0	3.349760	12.595551
1	3.349760	12.595551
2	3.349760	12.595551
3	3.349760	12.595551
4	3.349760	12.595551
...
18161	3.353420	12.440077
18162	3.353420	12.440077
18163	3.353426	12.440084

18164	3.353431	12.440084
18165	3.353436	10.847544

[18166 rows x 2 columns]

with the most optimal solution:

	Manufacturing_Time	Distance
0	3.353435	10.84754

with an acceptance percentage of 30.378670401680758%