

approximate_bayesian_computation

Parameters

cm_name: abc_25
dataframe_in: data_missing_25
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: 20
report_parameters: {}
running_time: 255349.20145082474
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with solutions:

	Manufacturing_Time	Distance
0	3.450848	11.450511
1	3.450848	11.450511
2	3.450848	11.450511
3	3.450848	11.450511
4	3.450848	11.450511
...
5495	6.293177	17.103471
5496	6.293177	17.103471
5497	6.293177	17.103471
5498	6.293177	17.103471

5499 1.000000 15.273098

[5500 rows x 2 columns]

with the most optimal solution:

 Manufacturing_Time Distance

0 2.423574 6.753296

with an acceptance percentage of 9.16745868974372%