

approximate_bayesian_computation

Parameters

cm_name: abc_10
dataframe_in: data_missing_10
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: 432077.7103731632
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with solutions:

	Manufacturing_Time	Distance
0	2.226109	7.551075
1	2.226109	7.551075
2	2.226109	7.551075
3	2.226109	7.551075
4	2.226109	7.551075
...
4664	3.349766	8.065861
4665	3.349760	8.093222
4666	3.349754	8.143036

4667	2.153087	7.936773
4668	2.172599	7.810646

[4669 rows x 2 columns]

with the most optimal solution:

	Manufacturing_Time	Distance
0	2.172297	5.843849
1	2.172298	5.843849
2	2.172298	5.843849
3	2.172298	5.843849

with an acceptance percentage of 7.800176746202457%