

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: 40
report_parameters: {}
running_time: 253749.88788962364
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with solutions:

	Manufacturing_Time	Distance
0	2.285519	8.002191
1	2.285519	8.002191
2	2.285519	8.002191
3	2.285519	8.002191
4	2.285519	8.002191
...
15785	2.285523	7.190032
15786	2.285523	7.190032
15787	2.285523	7.190032
15788	2.285523	7.190032

15789 2.285523 7.190032

[15790 rows x 2 columns]

with the most optimal solution:

	Manufacturing_Time	Distance
0	2.285523	7.190032
1	2.285523	7.190032
2	2.285523	7.190032
3	2.285523	7.190032
4	2.285523	7.190032
...
12794	2.285523	7.190032
12795	2.285523	7.190032
12796	2.285523	7.190032
12797	2.285523	7.190032
12798	2.285523	7.190032

[12799 rows x 2 columns]

with an acceptance percentage of 26.545278708752267%