

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: 15
report_parameters: {}
running_time: 423503.6036827564
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with solutions:

	Manufacturing_Time	Distance
0	2.207126	10.071224
1	2.207126	10.071224
2	2.207126	10.071224
3	2.207126	10.071224
4	2.207126	10.071224
...
1467	3.410099	11.763861
1468	3.410099	11.763861
1469	3.410099	11.763861

1470	3.410099	11.763861
1471	3.410099	11.763861

[1472 rows x 2 columns]

with the most optimal solution:

	Manufacturing_Time	Distance
0	2.52404	9.879885
1	2.52404	9.879885
2	2.52404	9.879885
3	2.52404	9.879885
4	2.52404	9.879885
..
535	2.52404	9.879885
536	2.52404	9.879885
537	2.52404	9.879885
538	2.52404	9.879885
539	2.52404	9.879885

[540 rows x 2 columns]

with an acceptance percentage of 2.4577726643656312%