

approximate_bayesian_computation

Parameters

cm_name: abc_90
dataframe_in: data_missing_90
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: 25
report_parameters: {}
running_time: 227430.7083108425
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with solutions:

	Manufacturing_Time	Distance
0	1.878908	9.229912
1	1.878908	9.229912
2	1.878908	9.229912
3	1.878908	9.229912
4	1.878908	9.229912
...
2430	3.346348	11.532254
2431	3.346348	11.532254
2432	3.346348	11.532254
2433	3.346348	11.532254

2434 3.346348 11.532254

[2435 rows x 2 columns]

with the most optimal solution:

	Manufacturing_Time	Distance
0	1.878902	9.195812
1	1.878902	9.195812
2	1.878902	9.195812
3	1.878902	9.195812
4	1.878902	9.195812
5	1.878902	9.195812
6	1.878902	9.195812
7	1.878902	9.195812
8	1.878902	9.195812
9	1.878902	9.195812
10	1.878902	9.195812
11	1.878902	9.195812

with an acceptance percentage of 4.448668567522052%