

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: 25
report_parameters: {}
running_time: 265591.6097249985
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with solutions:

	Manufacturing_Time	Distance
0	1.878908	9.818027
1	1.878908	9.818027
2	1.878908	9.818027
3	1.878908	9.818027
4	1.878908	9.818027
...
2676	2.039210	8.446738
2677	2.039210	8.446738
2678	2.039210	8.446738
2679	2.039210	8.446738

2680 2.039188 8.577558

[2681 rows x 2 columns]

with the most optimal solution:

 Manufacturing_Time Distance

0 2.406555 6.057749

with an acceptance percentage of 6.377870041518683%