

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: 30
report_parameters: {}
running_time: 436612.4161787033
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with solutions:

	Manufacturing_Time	Distance
0	2.226109	15.129955
1	5.195231	19.049433
2	3.023306	15.411547
3	6.797292	23.256284
4	3.349760	15.830929
...
2404	2.806017	15.228344
2405	2.806017	15.228344
2406	2.806017	15.228344

2407	2.460897	15.020440
2408	2.115778	13.472553

[2409 rows x 2 columns]

with the most optimal solution:

Manufacturing_Time Distance

0	2.115778	13.472553
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with an acceptance percentage of 4.013472729394894%