

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: 35
report_parameters: {}
running_time: 218348.1482717991
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with solutions:

	Manufacturing_Time	Distance
0	10.000000	23.9034
1	10.000000	23.9034
2	10.000000	23.9034
3	10.000000	23.9034
4	10.000000	23.9034
...
17522	9.999998	23.9034
17523	9.999998	23.9034
17524	9.999999	23.9034
17525	9.999999	23.9034

17526 10.000000 23.9034

[17527 rows x 2 columns]

with the most optimal solution:

 Manufacturing_Time Distance

0 5.122495 23.016098

with an acceptance percentage of 46.55761759458423%