approximate_bayesian_computation

Parameters

cm_name: abc_75
dataframe_in: data_missing_75
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: 40
report_parameters: {}
running_time: 253731.60568404198
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with solutions:

	Manufacturing_Time	Distance
0	7.444785	27.150430
1	1.000000	17.627407
2	2.285519	12.764931
3	2.285519	12.764931
4	2.285519	12.764931
...	...	...
6202	2.285518	12.764931
6203	2.285518	12.764931
6204	2.285518	12.764931
6205	2.285518	12.764931

6206 2.285520 12.764928

[6207 rows x 2 columns]
with the most optimal solution:
Manufacturing_Time Distance
0 2.28552 12.764928
1 2.28552 12.764928
with an acceptance percentage of 10.6531272405916%