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: 5
report_parameters: {}
running_time: 439825.86255431175
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with solutions:

	Manufacturing_Time	Distance
0	1.726671	11.008826
1	2.997939	10.072151
2	1.898120	9.906403
3	1.898120	9.906403
4	1.898120	9.906403
...	...	...
14649	2.737884	10.134570
14650	2.737884	10.134570
14651	2.737884	10.134570

14652 2.737884 10.134570
14653 2.737884 10.134570

[14654 rows x 2 columns]
with the most optimal solution:
Manufacturing_Time Distance
0 2.177988 5.906893
1 2.177988 5.906893
with an acceptance percentage of 24.464342287362648%