approximate_bayesian_computation

Parameters

cm_name: abc_0
dataframe_in: data_0
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
  convergence_progress: true
  decision_variables:
  - Manufacturing_Time
  n_chains: 3
  n_draws: 15000
  objectives:
  - Manufacturer
  - Export_Port
  - Transit_Port
  - Import_Port
  - Wholesales_Distributor
  - Retailer_Amsterdam
  - Retailer_Utrecht
  - Retailer_Venlo
  ranges_variables:
  - - 1
     - 10
  seed: 5
report_parameters: {}
running_time: 82171.09604692459
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with solutions:

	Manufacturing_Time	Distance
0	1.726671	10.553592
1	1.726668	10.553592
2	1.726727	8.302232
3	2.997939	9.938220
4	1.898120	11.142209
..	...	...
902	2.738278	7.144638
903	2.738367	8.111579
904	2.738422	7.839701
905	2.738242	8.302398
906	2.738062	7.252815

[907 rows x 2 columns]

with the most optimal solution:

	Manufacturing_Time	Distance
0	2.738278	7.144638
1	2.738278	7.144638

with an acceptance percentage of 3.060585736642075%