

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: 35
report_parameters: {}
running_time: 245285.11929559708
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with solutions:

	Manufacturing_Time	Distance
0	8.170457	22.201507
1	7.990758	18.919396
2	5.024638	15.731514
3	2.058517	11.605301
4	2.058517	11.605301
..
948	2.524711	6.313893
949	2.524711	6.313893
950	2.526930	6.991528
951	2.529149	6.164305

952 2.527049 7.758581

[953 rows x 2 columns]

with the most optimal solution:

Manufacturing_Time Distance

0 2.529149 6.164305

with an acceptance percentage of 3.01135510979941%