

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: 10000
 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: 57515.88452410698
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with solutions:

| | Manufacturing_Time | Distance |
|------|--------------------|-----------|
| 0 | 2.997939 | 9.938220 |
| 1 | 1.898120 | 11.142209 |
| 2 | 1.898120 | 11.142209 |
| 3 | 1.898120 | 11.142209 |
| 4 | 1.898120 | 11.142209 |
| ... | ... | ... |
| 3904 | 2.738375 | 8.270519 |
| 3905 | 2.738380 | 8.217112 |
| 3906 | 2.738350 | 7.823569 |
| 3907 | 2.738368 | 8.111579 |
| 3908 | 2.738386 | 7.294003 |

[3909 rows x 2 columns]

Manufacturing_Time Distance

with an acceptance percentage of [0.19424823410696265, 0.026942482341069628, 0.19344096871846622,

[illegible]

[illegible]