

# 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: 15  
report\_parameters: {}  
running\_time: 436610.6191341877  
type: calibrationmodel  
version: 1.0.0

## Results

Summary CalibrationModel with solutions:

	Manufacturing_Time	Distance
0	1.587817	20.224401
1	1.000000	18.990823
2	2.207126	11.958857
3	2.207126	11.958857
4	2.207126	11.958857
...	...	...
9224	2.207074	12.709251
9225	2.207074	12.709251
9226	2.207074	12.709251

9227	2.207074	12.709251
9228	2.207074	12.709251

[9229 rows x 2 columns]  
with the most optimal solution:  
    Manufacturing\_Time Distance

0	2.207126	11.958857
1	2.207126	11.958857
2	2.207126	11.958857
3	2.207126	11.958857
4	2.207126	11.958857
...	...	...
1586	2.207126	11.958857
1587	2.207126	11.958857
1588	2.207126	11.958857
1589	2.207126	11.958857
1590	2.207126	11.958857

[1591 rows x 2 columns]  
with an acceptance percentage of 15.386924115852132%