

# approximate\_bayesian\_computation

## Parameters

cm\_name: abc\_50  
dataframe\_in: data\_missing\_50  
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: 40  
report\_parameters: {}  
running\_time: 253945.81925272942  
type: calibrationmodel  
version: 1.0.0

## Results

Summary CalibrationModel with solutions:

	Manufacturing_Time	Distance
0	2.285519	30.847750
1	1.312666	27.655371
2	1.000000	25.859174
3	9.828450	60.831937
4	8.855596	60.020994
5	7.882743	43.590043
6	6.909890	39.165087
7	5.937036	38.684975
8	4.964183	34.803725

with the most optimal solution:

Manufacturing\_Time Distance

0 1.0 25.859174

with an acceptance percentage of 0.015006753038867489%