

# approximate\_bayesian\_computation

## Parameters

cm\_name: abc\_90  
dataframe\_in: data\_missing\_90  
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: 260778.57673454285  
type: calibrationmodel  
version: 1.0.0

## Results

Summary CalibrationModel with solutions:

	Manufacturing_Time	Distance
0	4.669183	36.839733
1	9.828450	36.359360
2	8.855596	35.964462
3	8.190760	29.408075
4	8.190760	29.408075
...	...	...
8401	1.620682	22.462128
8402	1.620682	22.462128
8403	1.620682	22.462128
8404	1.620682	22.462128

8405            1.620682 22.462128

[8406 rows x 2 columns]

with the most optimal solution:

    Manufacturing\_Time    Distance

0            2.093249 19.623119

with an acceptance percentage of 13.994630917246095%