

# approximate\_bayesian\_computation

## Parameters

cm\_name: abc\_10  
dataframe\_in: data\_missing\_10  
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:  
        keys:  
            - max\_keys  
    decision\_variables\_names:  
        - graph\_structure  
    epsilons:  
        - 1  
    ground\_truth\_topology:  
        keys:  
            - max\_keys  
    initial\_points: 100  
    n\_chains: 3  
    n\_draws: 15000  
    n\_iterations: 100  
    nfe: 15000  
    num\_pool: 1  
    population\_size: 100  
    seed: 1  
report\_parameters: {}  
running\_time: 190854.69134831429  
type: calibrationmodel  
version: 1.0.0

## Results

Summary CalibrationModel with solutions:

	graph_structure	Distance
0	16767.361382	16.418248
1	16767.361382	16.544729
2	16767.361382	16.611248
3	0.000000	18.100392
4	0.000000	18.934319
...	...	...
21236	0.000209	18.393971
21237	0.000209	17.919259
21238	0.000210	17.254810
21239	0.000210	17.301016
21240	0.000210	18.567748

[21241 rows x 2 columns]

with the most optimal solution:

	graph_structure	Distance	round
--	-----------------	----------	-------

0	15988.217867	15.817868	15988.0
---	--------------	-----------	---------

with an acceptance percentage of 19.220421141573834%