

# approximate\_bayesian\_computation

## Parameters

cm\_name: abc\_30  
dataframe\_in: data\_missing\_30  
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: 6  
report\_parameters: {}  
running\_time: 182759.1645386219  
type: calibrationmodel  
version: 1.0.0

## Results

Summary CalibrationModel with solutions:

	graph_structure	Distance
0	17525.218903	21.886983
1	17525.218903	20.823861
2	17525.218903	20.079549
3	17525.218903	18.619573
4	0.000000	16.237627
...	...	...
12797	0.000000	16.797947
12798	0.000000	16.289973
12799	0.000000	15.324836
12800	0.000000	15.864108
12801	0.000000	14.783970

[12802 rows x 2 columns]

with the most optimal solution:

	graph_structure	Distance	round
0	0.0	14.496863	0.0

with an acceptance percentage of 0.011117781780179222%