

# approximate\_bayesian\_computation

## Parameters

cm\_name: abc\_80  
dataframe\_in: data\_missing\_80  
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: 183277.03578591347  
type: calibrationmodel  
version: 1.0.0

## Results

Summary CalibrationModel with solutions:

	graph_structure	Distance
0	17525.218903	23.170807
1	17525.218903	22.910770
2	17525.218903	21.983007
3	17525.218903	20.276354
4	0.000000	20.550871
...	...	...
11079	0.000000	19.933488
11080	0.000000	21.512209
11081	0.000000	20.422596
11082	0.000000	19.735285
11083	0.000000	20.407327

[11084 rows x 2 columns]

with the most optimal solution:

	graph_structure	Distance	round
0	0.0	18.177476	0.0

with an acceptance percentage of 0.011117781780179222%