

# 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: 16  
report\_parameters: {}  
running\_time: 166783.423132658  
type: calibrationmodel  
version: 1.0.0

## Results

Summary CalibrationModel with solutions:

	graph_structure	Distance
0	22546.691528	38.928137
1	33368.040374	33.166649
2	39999.000000	27.631719
3	39999.000000	27.311518
4	39999.000000	27.408213
...	...	...
16439	34589.479087	14.353032
16440	34589.479087	14.566773
16441	34589.479087	14.755489
16442	34589.479087	15.346082
16443	34589.479087	14.141081

[16444 rows x 2 columns]

with the most optimal solution:

	graph_structure	Distance	round
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0	34589.479087	13.268503	34589.0
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with an acceptance percentage of 0.013341338136215063%