

# approximate\_bayesian\_computation

## Parameters

cm\_name: abc\_70  
dataframe\_in: data\_missing\_70  
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: 21  
report\_parameters: {}  
running\_time: 186129.32318520546  
type: calibrationmodel  
version: 1.0.0

## Results

Summary CalibrationModel with solutions:

	graph_structure	Distance
0	2782.768614	16.368356
1	2782.768614	16.281094
2	0.000000	16.066933
3	0.000000	16.254801
4	0.000000	15.797881
...	...	...
21895	0.000000	15.887559
21896	0.000000	16.134857
21897	0.000000	16.198545
21898	0.000000	15.940637
21899	0.000000	16.223537

[21900 rows x 2 columns]

with the most optimal solution:

	graph_structure	Distance	round
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0	0.0	14.762234	0.0
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with an acceptance percentage of 0.008894225424143375%