

# approximate\_bayesian\_computation

## Parameters

cm\_name: abc\_50  
dataframe\_in: data\_missing\_50  
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: 282108.1547062397  
type: calibrationmodel  
version: 1.0.0

## Results

Summary CalibrationModel with solutions:

	graph_structure	Distance
0	22546.691528	37.443647
1	33368.040374	32.637268
2	39999.000000	27.187399
3	39999.000000	27.097538
4	39999.000000	27.272754
...	...	...
16066	34589.479087	15.408269
16067	34589.479087	14.782972
16068	34589.479087	14.879444
16069	34589.479087	14.372118
16070	34589.479087	13.993657

[16071 rows x 2 columns]

with the most optimal solution:

graph\_structure Distance round

0 34589.479087 13.393948 34589.0

with an acceptance percentage of 0.013341338136215063%