

# bayesian\_optimization

## Parameters

cm\_name: bo\_s1  
dataframe\_in: data\_out  
description: Bayesian optimization method for optimization of timeseries  
diff\_func\_name: manhattan\_metrics  
diff\_func\_parameters: {}  
model\_method: bayesian\_optimization  
name: bayesian\_optimization  
parameters:  
  decision\_variables:  
    keys:  
      - max\_keys  
  decision\_variables\_names:  
    - graph\_structure  
  exploration\_strategy: ei  
  ground\_truth\_topology:  
    keys:  
      - max\_keys  
  initial\_points: 100  
  n\_iterations: 3750  
  num\_pool: 5  
  seed: 1  
report\_parameters: {}  
running\_time: 288510.5006263256  
type: calibrationmodel  
version: 1.0.0

## Results

Summary CalibrationModel with most optimal solution:

|   | graph_structure | min_distance | round |
|---|-----------------|--------------|-------|
| 0 | 37101           | 91.433702    | 37101 |