

# bayesian\_optimization

## Parameters

cm\_name: bo\_60  
dataframe\_in: data\_missing\_60  
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: 21  
report\_parameters: {}  
running\_time: 206361.93630361557  
type: calibrationmodel  
version: 1.0.0

## Results

Summary CalibrationModel with most optimal solution:

|   | graph_structure | min_distance | round |
|---|-----------------|--------------|-------|
| 0 | 20231           | 7.580725     | 20231 |

# Summary

| Model Name | Model Method          | Score | Difference Function | Dataframe       | Duration       |
|------------|-----------------------|-------|---------------------|-----------------|----------------|
| bo_60      | bayesian_optimization | 0.97  | manhattan_metrics   | data_missing_60 | 206361.936 sec |