

# bayesian\_optimization

## Parameters

cm\_name: bo\_70  
dataframe\_in: data\_missing\_70  
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: 313717.22529292107  
type: calibrationmodel  
version: 1.0.0

## Results

Summary CalibrationModel with most optimal solution:

	graph_structure	min_distance	round
0	30236	12.143937	30236

# Summary

Model Name	Model Method	Score	Difference Function	Dataframe	Duration
bo_70	bayesian_optimization	0.97	manhattan_metrics	data_missing_70	313717.225 sec