

# genetic\_algorithm

```
cm_name: ga_60
dataframe_in: data_missing_60
description: Genetic Algorithm for optimization of timeseries
diff_func_name: manhattan_metrics
diff_func_parameters: {}
model_method: genetic_algorithm
name: genetic_algorithm
parameters:
  algorithm: epsNSGAI1
  decision_variables:
    keys:
      - max_keys
  decision_variables_names:
    - graph_structure
  epsilons:
    - 0.1
  ground_truth_topology:
    keys:
      - max_keys
  n_iterations: 100
  nfe: 10000
  num_pool: 4
  population_size: 100
  seed: 11
report_parameters: {}
running_time: 185430.33562088013
type: calibrationmodel
version: 1.0.0
```

## Results

## Summary CalibrationModel with solutions

[illegible]

## Parameters

```
cm_name: ga_50
dataframe_in: data_missing_50
description: Genetic Algorithm for optimization of timeseries
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    keys:
      - max_keys
  n_iterations: 100
  nfe: 10000
  num_pool: 4
  population_size: 100
  seed: 11
report_parameters: {}
running_time: 185329.48924613
type: calibrationmodel
version: 1.0.0
```

## Results

## Summary CalibrationModel with solutions

[illegible]

# Summary

Model Name	Model Method	Score	Difference Function	Dataframe	Duration
ga_60	genetic_algorithm	1.0	manhattan_metrics	data_missing_60	185430.336 sec
ga_50	genetic_algorithm	0.97	manhattan_metrics	data_missing_50	185329.489 sec