

# genetic\_algorithm

```
cm_name: ga_20
dataframe_in: data_missing_20
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: 16
report_parameters: {}
running_time: 187750.50401234627
type: calibrationmodel
version: 1.0.0
```

## Results

## Summary CalibrationModel with solutions

[illegible]

## Parameters

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  num_pool: 4
  population_size: 100
  seed: 16
report_parameters: {}
running_time: 186565.96901392937
type: calibrationmodel
version: 1.0.0
```

## Results

## Summary CalibrationModel with solutions

[illegible]

# Summary

Model Name	Model Method	Score	Difference Function	Dataframe	Duration
ga_20	genetic_algorithm	0.98	manhattan_metrics	data_missing_20	187750.504 sec
ga_10	genetic_algorithm	0.98	manhattan_metrics	data_missing_10	186565.969 sec