

# genetic\_algorithm

```
cm_name: ga_30
dataframe_in: data_missing_30
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: 187568.30321121216
type: calibrationmodel
version: 1.0.0
```

## Results

## Summary CalibrationModel with solutions

[illegible]

# genetic\_algorithm

```

cm_name: ga_40
dataframe_in: data_missing_40
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:
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  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: 187374.1967406273
type: calibrationmodel
version: 1.0.0

```

## Results

## Summary CalibrationModel with solutions

[illegible]

# Summary

Model Name	Model Method	Score	Difference Function	Dataframe	Duration
ga_40	genetic_algorithm	0.97	manhattan_metrics	data_missing_40	187374.197 sec
ga_30	genetic_algorithm	0.98	manhattan_metrics	data_missing_30	187568.303 sec