

genetic_algorithm

```
cm_name: ga_10
dataframe_in: data_missing_10
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: 26
report_parameters: {}
running_time: 188484.84039902687
type: calibrationmodel
version: 1.0.0
```

Results

Summary CalibrationModel with solutions

[illegible]

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: 26
report_parameters: {}
running_time: 185076.2043967247
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	0.99	manhattan_metrics	data_missing_20	185076.204 sec
ga_10	genetic_algorithm	0.98	manhattan_metrics	data_missing_10	188484.840 sec