

# genetic\_algorithm

```

cm_name: ga_s16
dataframe_in: data_out
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
  nfe: 10000
  num_pool: 6
  population_size: 100
  seed: 16
report_parameters: {}
running_time: 206850.33382415771
type: calibrationmodel
version: 1.0.0

```

# Results

## Summary CalibrationModel with solutions

[illegible]

# Summary

| Model Name | Model Method      | Score | Difference Function | Dataframe | Duration       |
|------------|-------------------|-------|---------------------|-----------|----------------|
| ga_s16     | genetic_algorithm | 0.97  | manhattan_metrics   | data_out  | 206850.334 sec |