

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:
    - Manufacturing_Time
  epsilons:
    - 1
  n_draws: 20000
  n_iterations: 100
  nfe: 15000
  objectives:
    - Manufacturer
    - Export_Port
    - Transit_Port
    - Import_Port
    - Wholesales_Distributor
    - Retailer_Amsterdam
    - Retailer_Utrecht
    - Retailer_Venlo
  population_size: 100
  ranges_variables:
    - - 1
    - 10
  seed: 35
report_parameters: {}
running_time: 178936.59577298164
type: calibrationmodel
version: 1.0.0

```

Results

Summary CalibrationModel with solutions

| | Manufacturing_Time | Manufacturer | Export_Port | Transit_Port | Import_Port | Wholesales_Distributor |
|--------------------|--------------------|------------------|----------------|--------------|-------------|------------------------|
| Retailer_Amsterdam | | Retailer_Utrecht | Retailer_Venlo | | | |
| 0 | 2.406842 | 1.996493 | 1.996493 | 1.996493 | 1.996493 | 1.996493 |
| 1.996493 | 1.996493 | | | | | |

[illegible]