genetic_algorithm
Parameters

cm_name: ga_90_s1
dataframe_in: data_missing_90
description: Genetic Algorithm for optimization of timeseries
diff_func_name: manhattan_metrics
diff_func_parameters: {}
model_method: genetic_algorithm
name: genetic_algorithm
parameters:
    algorithm: epsNSGAII
    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: 21
report_parameters: {}
running_time: 193232.80896496773
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with solutions

	graph_structure	min_distance
0	5428	7.01929

and eprogress is [2, 3, 3, 4, 4, 5, 5, 5, 5, 5, 5, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8]

genetic_algorithm
Parameters

cm_name: ga_90_s6
dataframe_in: data_missing_90
description: Genetic Algorithm for optimization of timeseries
diff_func_name: manhattan_metrics
diff_func_parameters: {}
model_method: genetic_algorithm
name: genetic_algorithm
parameters:
    algorithm: epsNSGAII
    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: 187291.78099679947
type: calibrationmodel
version: 1.0.0

Results

Summary CalibrationModel with solutions
    graph_structure min_distance
0   22909   7.542109
 and eprogress is [2, 3, 4, 5, 5, 6, 7, 7, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8,
8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8,
8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8]

Summary

Model Name	Model Method	Score	Difference Function	Dataframe	Duration
ga_90_s6	genetic_algorithm	0.97	manhattan_metrics	data_missing_90	187291.781 sec
ga_90_s1	genetic_algorithm	0.96	manhattan_metrics	data_missing_90	193232.809 sec