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Building our genetic algorithm. While each part of our GA is built from scratch, we'll use a few standard packages to make things easier: import numpy as np, random, operator, pandas as pd, matplotlib.pyplot as plt Create two classes: City and Fitness. We first create a City class that will allow us to create and handle our cities. These are ...

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combine the advantages of a Genetic Algorithm and Tabu Search to achieve the efficient search for hyper-parameters of learning algorithms. This method is defined as the Tabu\_Genetic Algorithm. In order to verify the performance of the proposed algorithm, two sets of contrast experiments are conducted. In computer science and operations research, a genetic algorithm (GA) is a metaheuristic inspired by the process of natural selection that belongs to the larger class of evolutionary algorithms (EA). Genetic algorithms are commonly used to generate high-quality solutions to optimization and search problems by relying on biologically inspired operators such as mutation, crossover and selection.