

SC Assignment 3 (Mapping CO3 & CO4)

Explain Applications of Genetic Algorithm for clustering.

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- Optimization:-

Genetic algorithms are most commonly used in optimization problems where in we have to maximize or minimize a given objective function value under a given set of constraints.

- Economics:-

GAs are also used to characterize various economic models like the cobweb model, asset pricing etc.

- Image processing:-

GAs are used for various digital image processing tasks as well like dense pixel matching.

- Machine learning:-

Genetic machine learning is niche area in machine learning.

- DNA analysis:-

GAs have been used to determine the structure of the DNA using spectrometric data about the sample.