

Contemporary Intelligent Information Technology (CIIT)

10/29/2018

Multi-dimension reduction (7D -> 2D)

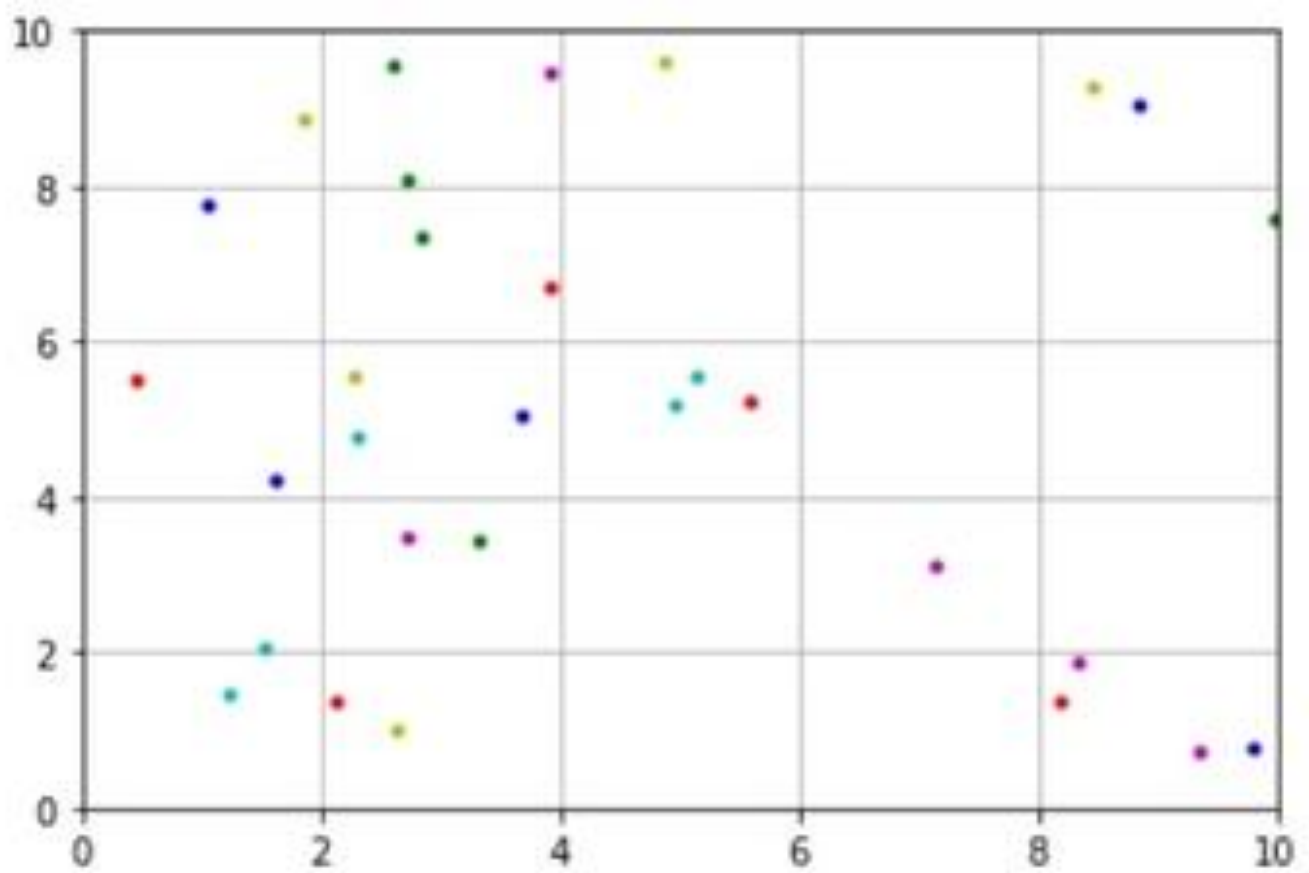
Number of class	
1	
2	
3	
4	
5	
6	

Population = 20

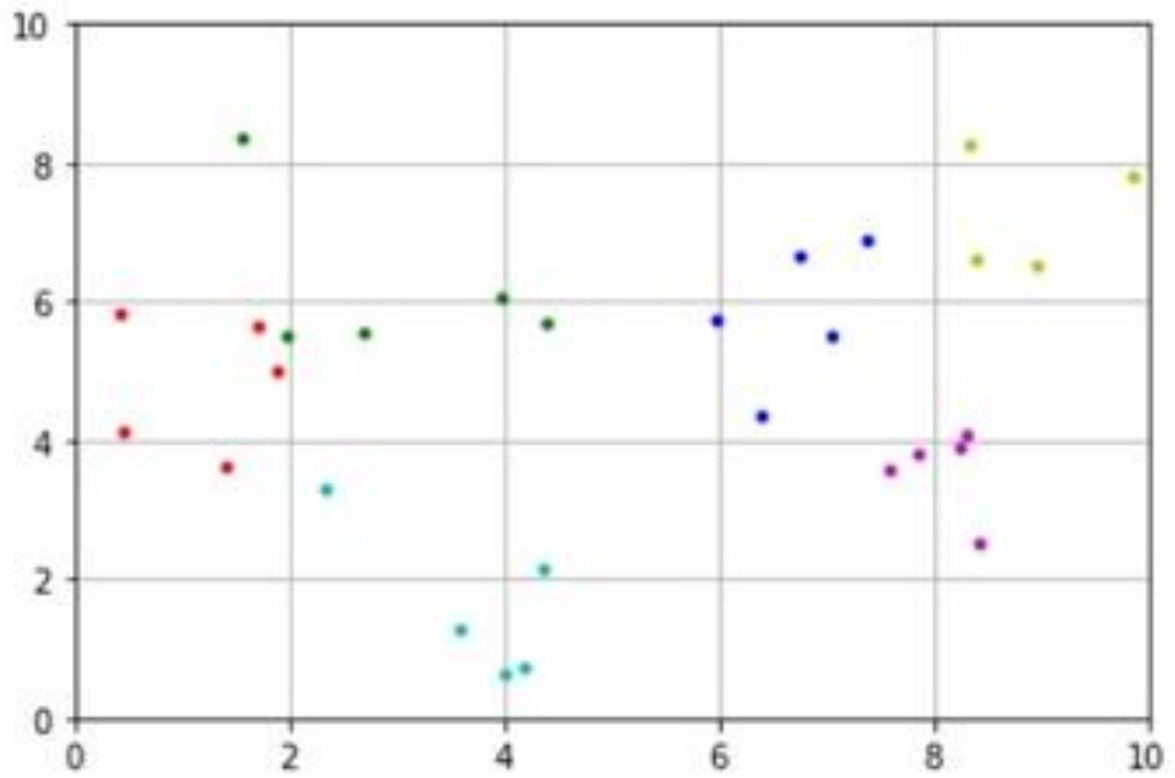
Chromosome size = 60

Truncate selection & uniform crossover

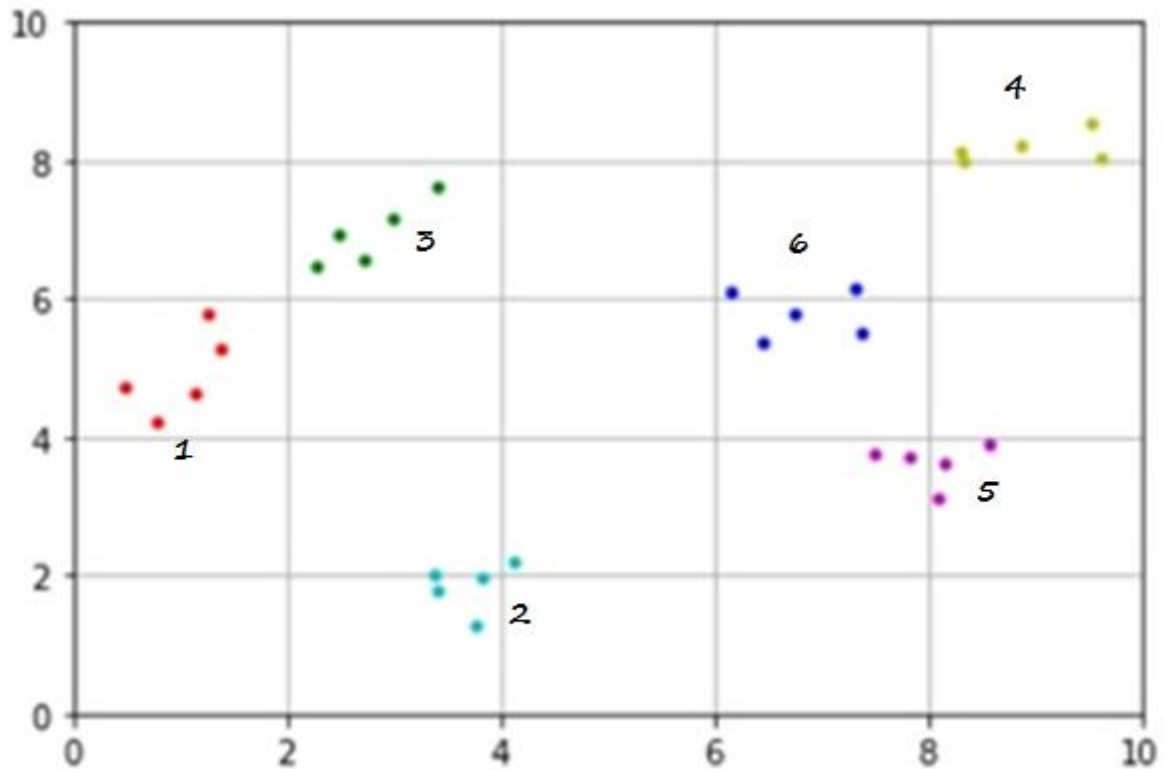
The first generation



The middle generation



The last generation



!!!The best chromosome !!!

1.14, 4.65; 1.39, 5.3; 0.48, 4.73; 1.26, 5.78; 0.78, 4.2; 2.73, 6.59;
 2.47, 6.92; 3.0, 7.16; 2.28, 6.48; 3.41, 7.63; 6.15, 6.13; 6.47, 5.37;
 7.31, 6.15; 7.39, 5.52; 6.77, 5.8; 8.89, 8.22; 8.35, 8.01; 9.54, 8.56;
 9.62, 8.04; 8.32, 8.14; 3.76, 1.28; 3.39, 2.01; 4.13, 2.22; 3.42, 1.78;
 3.84, 1.97; 7.5, 3.76; 8.59, 3.88; 7.83, 3.71; 8.1, 3.1; 8.16, 3.62

Green – best fitness;

Blue – average fitness;

