

LDA

Linear Discriminant Analysis

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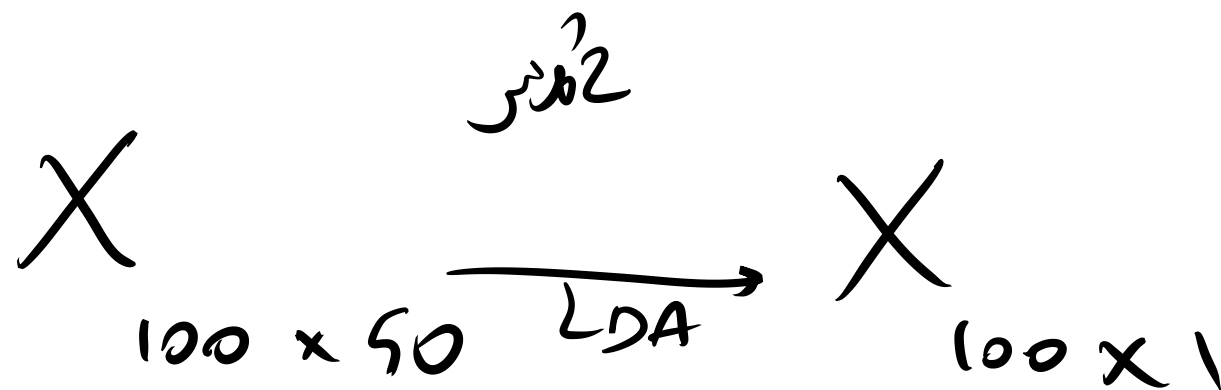
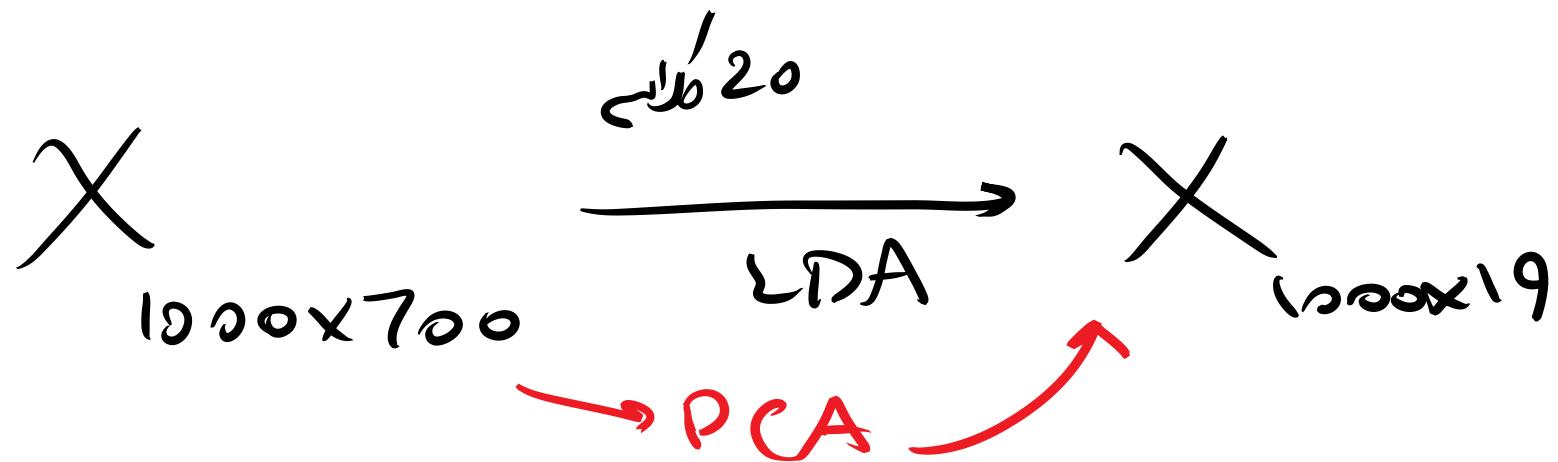
$$D_1 = \sum_{j=1}^c \sum_{i=1}^N (x_i - \mu_j)^T (x_i - \mu_j)$$

$$D_2 = \sum_{j=1}^c (\mu_j - \mu)^T (\mu_j - \mu)$$

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LDA
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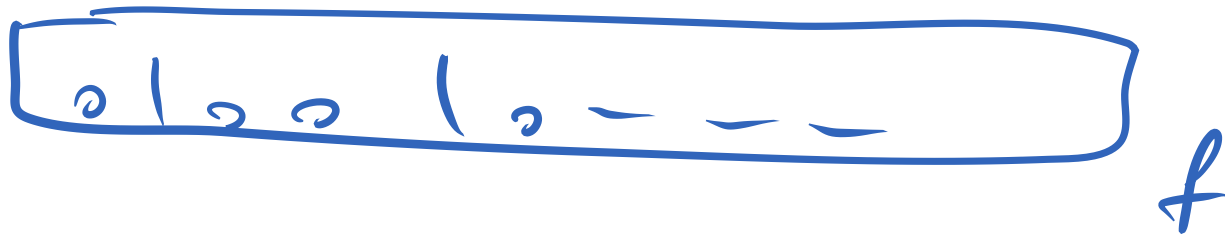
$$\min \left(\frac{D_1}{D_2} \right)$$



feature Selection $\rightarrow C_w (n_i, y)$

↓
Genetic

ستون نام
عکس C_w

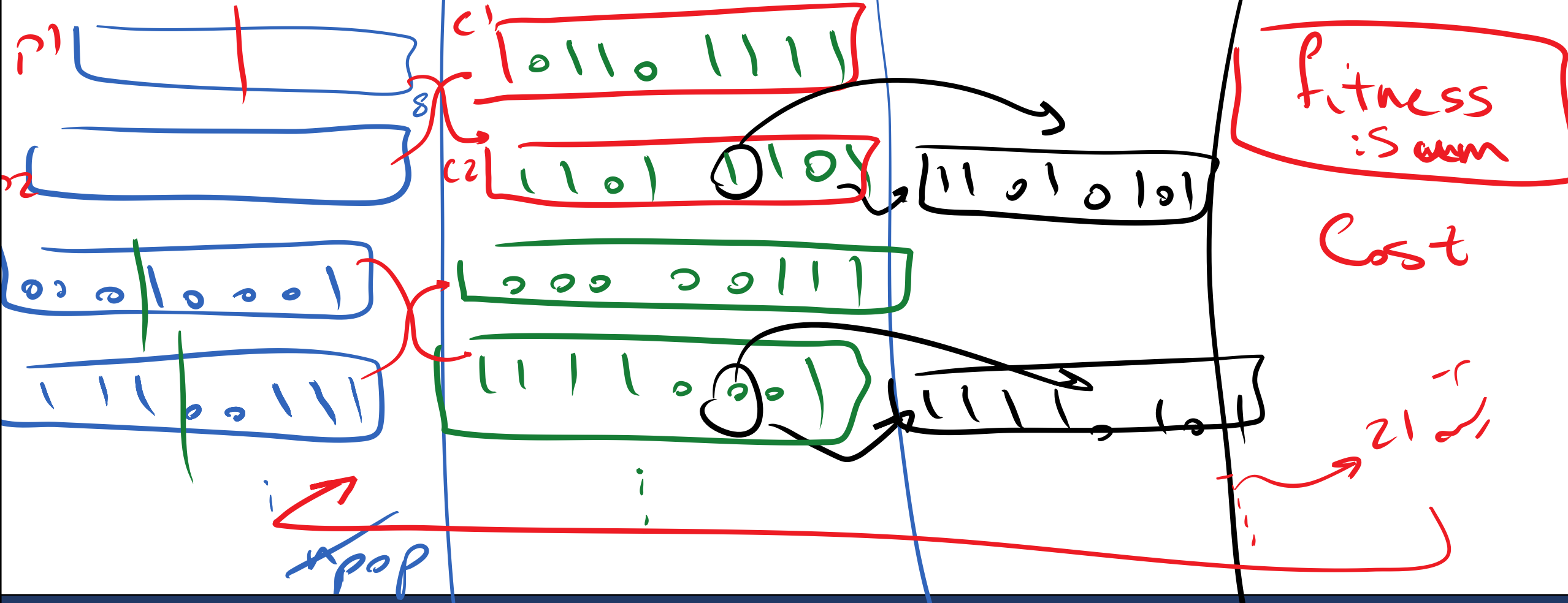


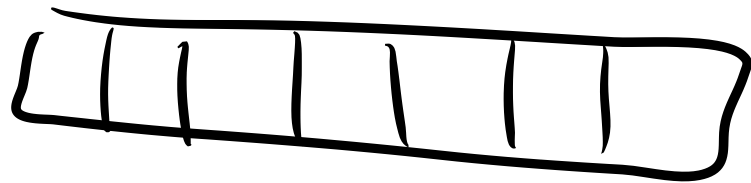
Genetic

Cross Over

Mutation

Evaluation





حالت 2^n
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نیم
بازی

• Scikit - genetic