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Machine Learning Lab – 9
Report

Explanation:

We write a generalized class for LDA by following the given steps

We find out within-class and between-class scatter matrices

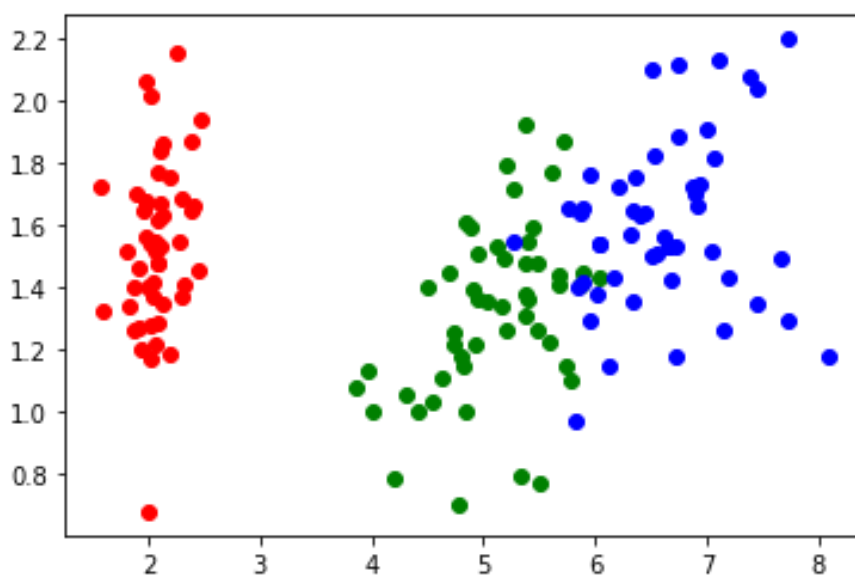
Using the above value we can evaluate linear discriminants

We then find the eigenvectors and consider $n_components$ eigenvectors with maximum eigenvalues

We find the resulting features by matrix multiplication of eigenvectors and original feature matrix

Output:

For Iris dataset:



For Wine dataset:

