

```
>> task4
```

```
Train Data after PCA:
```

```
320 320
```

```
Test Data after PCA:
```

```
80 320
```

```
Warning: Only 23 of the 39 requested eigenvalues converged.
```

```
> In eigs/processEUPDinfo (line 1300)
```

```
In eigs (line 354)
```

```
In ldatrain (line 22)
```

```
In task4 (line 33)
```

```
Train Data after LDA:
```

```
320 39
```

```
Test Data after LDA:
```

```
80 39
```

```
Finished PCA-LDA-KNN for fold:
```

```
1
```

```
Accuracy:
```

```
91.2500
```

```
Train Data after PCA:
```

```
320 320
```

```
Test Data after PCA:
```

```
80 320
```

```
Warning: Only 7 of the 39 requested eigenvalues converged.
```

```
> In eigs/processEUPDinfo (line 1300)
```

```
In eigs (line 354)
```

```
In ldatrain (line 22)
```

```
In task4 (line 33)
```

```
Train Data after LDA:
```

```
320 39
```

```
Test Data after LDA:
```

```
80 39
```

```
Finished PCA-LDA-KNN for fold:
```

```
2
```

```
Accuracy:
```

```
93.7500
```

```
Train Data after PCA:
```

```
320 320
```

Test Data after PCA:

80 320

Warning: Only 6 of the 39 requested eigenvalues converged.

> In eigs/processEUPDinfo (line 1300)

In eigs (line 354)

In ldatrain (line 22)

In task4 (line 33)

Train Data after LDA:

320 39

Test Data after LDA:

80 39

Finished PCA-LDA-KNN for fold:

3

Accuracy:

98.7500

Train Data after PCA:

320 320

Test Data after PCA:

80 320

Warning: Only 5 of the 39 requested eigenvalues converged.

> In eigs/processEUPDinfo (line 1300)

In eigs (line 354)

In ldatrain (line 22)

In task4 (line 33)

Train Data after LDA:

320 39

Test Data after LDA:

80 39

Finished PCA-LDA-KNN for fold:

4

Accuracy:

96.2500

Train Data after PCA:

320 320

Test Data after PCA:

80 320

Warning: Only 4 of the 39 requested eigenvalues converged.

> In eigs/processEUPDinfo (line 1300)

In eigs (line 354)

In ldatrain (line 22)

In task4 (line 33)

Train Data after LDA:

320 39

Test Data after LDA:

80 39

Finished PCA-LDA-KNN for fold:

5

Accuracy:

93.7500

Final Accuracy

94.7500

>>