```
 1 C:\Users\riki_\AppData\Local\Programs\Python\
   Python310\python.exe C:/Users/riki_/OneDrive/Desktop/
   MLPR-2022-PulsarDetection/main.py
 2                     PULSAR DETECTION
 3
 4                    TRAINING SET
 5
 6 Training Dataset loaded
 7
 8 Applied z-normalization
 9 Applied PCA with m=7, m=6, m=5
10
11                      TEST SET
12
13 Test Dataset loaded
14
15 Applied z-normalization
16 Applied PCA with m=7
17
18 Starting Gaussian Classifiers analysis:
19
20     K-Fold approach
21
22         Z-norm | no PCA
23             Full covariance MVG -->  [0.141, 0.638, 0
   .283]
24             Diag covariance MVG -->  [0.187, 0.616, 0
   .325]
25             Tied covariance MVG -->  [0.11, 0.586, 0.
   206]
26         Z-norm | PCA(m=7)
27             Full covariance MVG -->  [0.139, 0.569, 0
   .292]
28             Diag covariance MVG -->  [0.196, 0.765, 0
   .504]
29             Tied covariance MVG -->  [0.109, 0.58, 0.
   203]
30 Starting linear Logistic Regression analysis:
31
32 Selected value for lambda (linear LR):  1e-05
33     K-Fold approach
```

```
34
35          Z-norm | no PCA
36              Linear LR (λ=1e-5) -->  [0.108, 0.545, 0.
   199]
37          Z-norm | PCA(m=7)
38              Linear LR (λ=1e-5) -->  [0.108, 0.546, 0.
   201]
39 Starting quadratic Logistic Regression analysis:
40
41 Selected value for lambda (quadratic LR):  1e-05
42    K-Fold approach
43
44          Z-norm | no PCA
45              Quadratic LR (λ=1e-5) -->  [0.108, 0.421
   , 0.208]
46          Z-norm | PCA(m=7)
47              Quadratic LR (λ=1e-5) -->  [0.105, 0.448
   , 0.213]
48
49 Process finished with exit code 0
50
```