Topics on High Dimensional Data Analytics
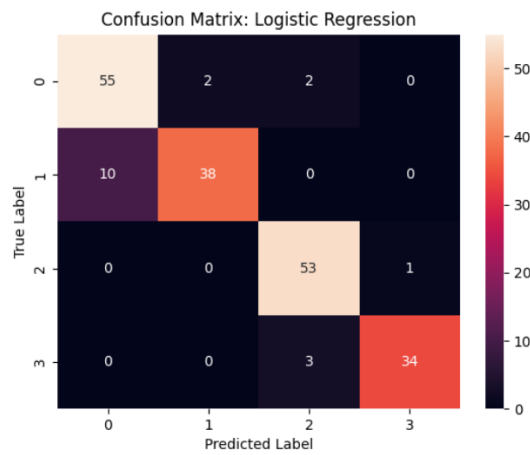
Final Exam

Q2
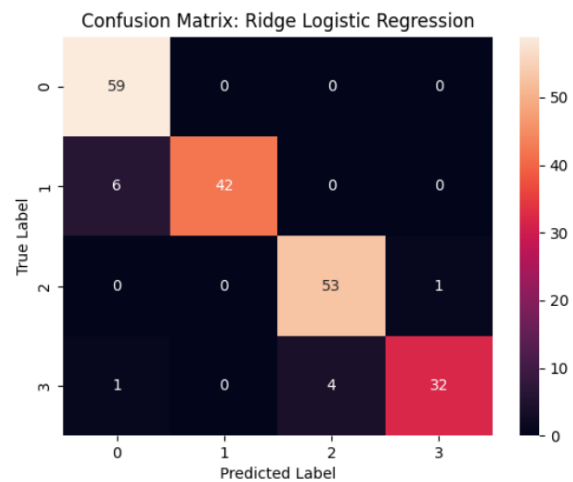
Ian Dover

Part 1:

Logistic Regression on test set

Confusion Matrix: Logistic Regression

Part 2:

Ridge Logistic Regression on test set

Confusion Matrix: Ridge Logistic Regression

```
##################################################
Ridge logistic regression optimal tuning parameter (C):
0.0018329807108324356
##################################################
```

Part 3:

Lasso Logistic Regression on test set

Confusion Matrix: Lasso Logistic Regression
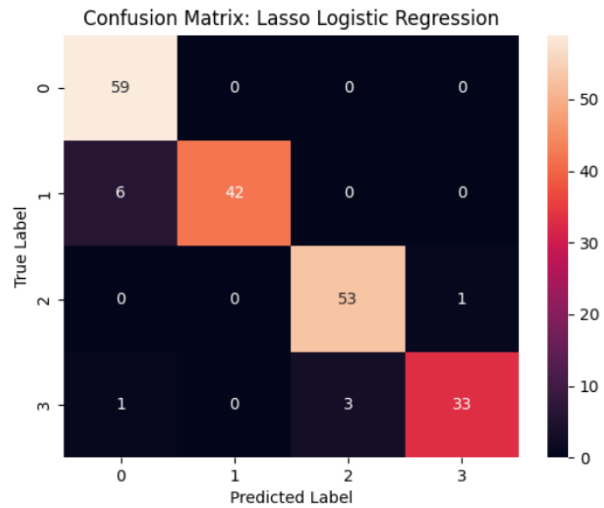
```
##################################################
Lasso logistic regression optimal tuning parameter (C):
0.23357214690901212
##################################################
```

Part 4:

Adaptive Lasso Logistic Regression on test set

Confusion Matrix: Adaptive Lasso Logistic Regression
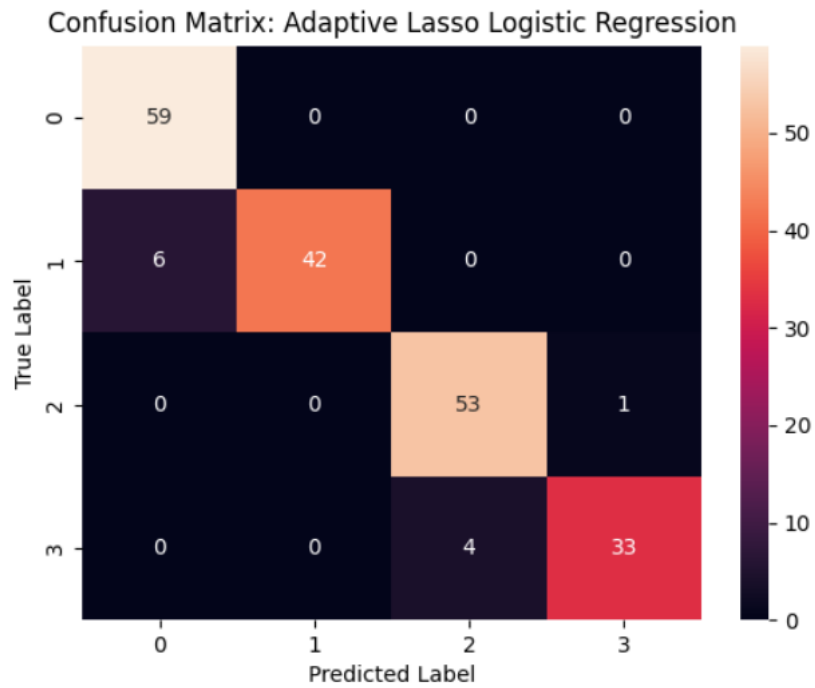
```
####################################################
Adaptive Lasso logistic regression optimal tuning parameter (C):
0.012742749857031334
####################################################
```