D:\This PC Folders\Documents\GitHub\mensch-maschine\das-model\das-model-linreg.exe

```
Opening file titanic_project.csv
Heading: "","pclass","survived","sex","age"
Closing file titanic_project.csv.
Number of records read from titanic_project.csv: 1046


Weights: [1.00635] [-2.40586]
Weights Time: 396ms

Confusion Matrix:
113 35
18 80

Confusion Matrix Time: 0ms

Total Algorithm Time: 396ms

Accuracy: 0.784553
Sensitivity: 0.816327
Specificity: 0.763514

Press enter to end program...
```

```
CN  Microsoft Visual Studio Debug Console                                                    —    □    ✕

Opening file titanic_project.csv
Heading: "","pclass","survived","sex","age"
Closing file titanic_project.csv.
Number of records read from titanic_project.csv: 1046


Initial sex survival likelihoods:
Sex 0: 0.159836
Sex 1: 0.840164


Survival averages per sex:
Sex 0: 0.679487
Sex 1: 0.320513

Initial passenger class survival likelihoods:
Passenger Class 1: 0.172131
Passenger Class 2: 0.22541
Passenger Class 3: 0.602459


Survival averages per class:
Passenger Class 1: 0.416667
Passenger Class 2: 0.262821
Passenger Class 3: 0.320513

Age Data:
Average Death Age: 30.4182 | Variance of Death Age: 14.3158
Average Survival Age: 28.8261 | Variance Lived Age: 14.4506

Prediction Priors:
Lived: 0.39 | Died: 0.61
Sex 0: 0.3625 | Sex 1: 0.6375
Passenger Class 1: 0.2675 | Passenger Class 2: 0.24 | Passenger Class 3: 0.4925

First 10 Predictions:
0.444834
0.0773301
0.470883
0.913844
0.563222
0.0721866
0.0670802
0.562398
0.162283
0.124048


Predictions Average:
0.423305

Confusion Matrix:
109 43
22 72

Accuracy: 0.735772
Sensitivity: 0.765957
Specificity: 0.717105

Press enter to end program...

Program terminated.
D:\This PC Folders\Documents\GitHub\Local Files - School\das-model\x64\Debug\das-model.exe (process 32104) exited with c
ode 0.
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the conso
le when debugging stops.
Press any key to close this window . . .
```

The results of both algorithms appear to be pretty good. Both have high accuracies, sensitivities, and specificities. We can see that the predictions are not that accurate; however, it is overall a fifty-fifty chance of predicting correctly.