

Lab 2

Rolf Sievert

2018-12-xx

Assignment 1

Step 1

```
# Add libraries
library("gridExtra")
library("ggplot2")
library("MASS")

# Set working directory
setwd("~/courses/tdde01/lab2")

# Read data
crabs = read.csv("australian-crabs.csv")

crabs.plot = ggplot(data = crabs, mapping = aes(x=CL, y=RW, color=sex)) +
  geom_point() +
  ggtitle("Actual sex")
lda.model = lda(formula = sex~CL+RW, data = crabs)
lda.predict = predict(lda.model, crabs)
crabs.predict = ggplot(data = crabs, mapping = aes(x=CL, y=RW, color=lda.predict$class)) +
  geom_point() +
  ggtitle("Predicted sex")
grid.arrange(crabs.plot, crabs.predict)
```

