

Homework 6

Due Friday, April 12 th at 11:59:59 pm.

```
#The "seatpos" data
library(faraway)
data(seatpos)
pred <- data.frame(Age=64.8, Weight=263.7, HtShoes=181.08, Ht=178.56,
                   Seated=91.44, Arm=35.64, Thigh=40.95, Leg=38.79)
```

- Fit a ridge regression model to the “seatpos” data with “hipcenter” as the response and all other variables as predictors. Take care to select an appropriate amount of shrinkage. Use the model to predict the response at the values specified in data.frame “pred”.
- Fit a LASSO regression model to the “seatpos” data with “hipcenter” as the response and all other variables as predictors. Take care to select an appropriate amount of shrinkage. Use the model to predict the response at the values specified in data.frame “pred”.