

R Code for Examples in the book

"Statistics: The Art and Science of Learning from Data" by Agresti, Franklin and Klingenberg, 5th edition

Chapter 13

Example 7: Female Athletes' Weight – Confidence Interval for β

Reading in data

```
data <-
read.csv(file='https://raw.githubusercontent.com/artofstat/data/master/Chapte
r13/college_female_athletes.csv')</pre>
```

Fitting in multiple regression model

To obtain confidence intervals for the regression coefficients

```
round(confint(lin.reg), 1)

## 2.5 % 97.5 %

## (Intercept) -155.3 -40.1

## HGT 2.7 4.2

## BF 73.9 198.9

## AGE -2.3 0.3
```