

R Code for Examples in the book

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

Chapter 10

Example 10: Bootstrap Distribution of the Difference Between Two Medians

Reading in the data

```
bankLoans <-
read.csv(file='https://raw.githubusercontent.com/artofstat/data/master/Chapte
r10/bank_loan_amounts_term.csv')</pre>
```

To generate 10,000 bootstrap samples and find each sample's difference between two means

To obtain the 95% bootstrap percentile confidence interval for the difference in median loan amounts

```
quantile(bootmed_diff, c(0.025, 0.975))
## 2.5% 97.5%
## 500 15100
```