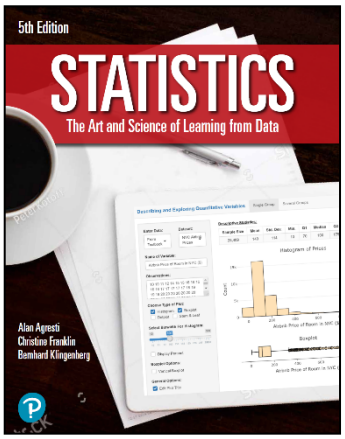

R Code for Examples in the book
"Statistics: The Art and Science of Learning from Data"
by Agresti, Franklin and Klingenberg, 5th edition

Chapter 10

Example 14: Reaction Time – Comparing Means for Two Dependent Samples

Reading in data

```
reactionTimesPaired <-
read.csv(file='https://raw.githubusercontent.com/artofstat/data/master/Chapter10/paired_reaction_times.csv')
```

To compare the means for two dependent samples, you can add the `paired = TRUE` as another argument for the `t.test()` function

```
t.test(reactionTimesPaired$Yes, reactionTimesPaired$No, paired = TRUE)
```

```
##
##  Paired t-test
##
## data:  reactionTimesPaired$Yes and reactionTimesPaired$No
## t = 5.4563, df = 31, p-value = 5.803e-06
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
##  31.70186 69.54814
## sample estimates:
## mean of the differences
##                  50.625
```