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

Chapter 3

Example 11: Palm Beach County – Residual

Reading in the data:

```
ballots <-
read.csv(file='https://raw.githubusercontent.com/artofstat/data/master/Chapter3/buchanan_and_the_butterfly_ballot.csv')
attach(ballots) # so we can refer to variable names
```

Fitting in regression model

```
model <- lm(buchanan ~ perot)
```

To obtain the residuals

```
res <- resid(model)
```

Residual plot

```
plot(perot, res, pch = 16, col = 'darkgreen',
     xlab = 'Perot Votes', ylab = 'Residuals',
     main = 'Residual Plot')
abline(0,0)
```