



R Code for Examples in the book  
“Statistics: The Art and Science of Learning from Data”  
by Agresti, Franklin and Klingenberg, 5<sup>th</sup> edition

## Chapter 11

### Example 6: Mendelian Genetics – Testing Goodness of Fit

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#### Reading in data:

```
observed <- c(6022, 2001)
expected <- c(0.75, 0.25)
```

#### To perform a chi-squared test for goodness of fit

```
chisq.test(x = observed, p = expected)

##
##  Chi-squared test for given probabilities
##
## data:  observed
## X-squared = 0.014999, df = 1, p-value = 0.9025
```