



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

Chapter 11

Example 10: A Tea-Tasting Experiment – Fisher's Exact Test

Reading in data

```
mytable <- as.table(matrix(c(3, 1, 1, 3), nrow = 2, byrow = TRUE,
                             dimnames = list(guess = c('milk', 'tea'),
                             actual = c('milk', 'tea'))))
```

To perform a Fisher's exact test

```
fisher.test(mytable)

##
## Fisher's Exact Test for Count Data
##
## data: mytable
## p-value = 0.4857
## alternative hypothesis: true odds ratio is not equal to 1
## 95 percent confidence interval:
## 0.2117329 621.9337505
## sample estimates:
## odds ratio
## 6.408309
```