



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 5

### Example 3: Multiple-Choice Pop Quiz – Sample Space

To view the sample space for all possible outcomes of this quiz

```
sample_space <- expand.grid(Q1 = c('C', 'I'),  
                             Q2 = c('C', 'I'),  
                             Q3 = c('C', 'I'))
```

```
sample_space
```

```
##   Q1 Q2 Q3  
## 1  C  C  C  
## 2  I  C  C  
## 3  C  I  C  
## 4  I  I  C  
## 5  C  C  I  
## 6  I  C  I  
## 7  C  I  I  
## 8  I  I  I
```