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

Chapter 6

Example 3: Expected Number of Games – Mean of a Probability Distribution

Reading in the data

```
games <- c(4, 5, 6, 7)
probs <- c(0.125, 0.25, 0.3125, 0.3125)
```

To compute the mean of this probability distribution, you can use

```
sum(games * probs)

## [1] 5.8125
```

or

```
weighted.mean(games, probs)

## [1] 5.8125
```