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 11: Test Scores that Use Different Scales – Comparing z-Scores

### Reading in SAT data

```
meanSAT <- 500
sdSAT <- 100
```

### To compute the z-Score of an SAT score of 650

```
zSAT <- (650 - meanSAT) / sdSAT
zSAT

## [1] 1.5
```

### Reading in ACT data

```
meanACT <- 21.0
sdACT <- 4.7
```

### To compute the z-Score of an ACT score of 30

```
zACT <- (30 - meanACT) / sdACT
zACT

## [1] 1.914894
```