Chapter 15: Sampling Distribution Models

**BMI Example:**

1. Open the data file (BMI.csv).
2. According to the textbook example, the population proportion is 22% (0.22).

We will use the following formulas for this chapter.

|  |  |
| --- | --- |
| Population Proportion (P) | 0.22 (given) |
| Sample Size (n) |  |
| Number of Events |  |
| Sample Proportion (p) |  |
| q = 1 - p |  |
| np Condtion | n\*p = |
| nq Condition | n\*q = |
| SD (p) |  |
| Z |  |
| P(Z < 0.08) |  |
| P(Z > 0.08) |  |

1. The result is

