Chapter 7 Dataset Codebook

# ch7\_cholesterol\_diet Dataset

The data come from the 2013 – 2014 cycle of the National Health and Nutrition Examination Survey (NHANES). Each subject’s total cholesterol level is measured in the laboratory portion of the survey. The variable total\_cholesterol is the total cholesterol level (mg/dL) for the subject. The variable id is a unique identifier given to each of the 286 subjects in the sample.

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| **Variable** | **Values** | **Notes** |
| id | Numeric, 1 – 286 | Unique identifier |
| total\_cholesterol | Numeric | Total cholesterol in mg/dL |

# ch7\_calcium\_nhanes Dataset

The data come from the 2013 – 2014 cycle of the National Health and Nutrition Examination Survey (NHANES). Each subject’s total calcium level is measured in the laboratory portion of the survey. The variable calcium is the total calcium level (mg/dL) for the subject. The variable id is a unique identifier given to each of the subjects in the sample. All of the subjects are women (gender = 2) who have hypertension (hypertension = 1).

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| **Variable** | **Values** | **Notes** |
| id | Numeric | Unique identifier |
| gender | 2 = Female | Gender indicator |
| hypertension | 1 = Has hypertension | Hypertension indicator |
| calcium | Numeric | Calcium level in mg/dL |

# ch7\_flu\_shot Dataset

The data come from the 2014 Behavioral Risk Factor Surveillance System (BRFSS). The variable id is a unique identifier given to each of the 200 subjects in the sample. All subjects receive a value of 1 or 0 for the variable flu\_shot, which indicates whether or not they received a flu vaccination in the past 12 months.

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| **Variable** | **Values** | **Notes** |
| id | Numeric, 1 – 200 | Unique identifier |
| flu\_shot | 1 = Yes  0 = No | Indicator for receiving flu vaccination in past 12 months |

# ch7\_smoking\_edu Dataset

The data come from the 2014 Behavioral Risk Factor Surveillance System (BRFSS). The variable id is a unique identifier given to each of the 500 subjects in the sample. The variable smoker is an indicator of current smoking status. Those with a value of 1 are current smokers, and those with a value of 0 are not.

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| **Variable** | **Values** | **Notes** |
| id | Numeric, 1 – 500 | Unique identifier |
| smoker | 1 = Yes  0 = No | Indicator for being a current smoker |

# ch7\_birth\_weight Dataset

The data come from the 2013 – 2014 cycle of the National Health and Nutrition Examination Survey (NHANES). The variable id is a unique identifier given to each of the 100 subjects in the sample. The variable birth\_weight records the birth weight in pounds of each of the subjects.

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| **Variable** | **Values** | **Notes** |
| id | Numeric, 1 – 100 | Unique identifier |
| birth\_weight | Numeric | Birth weight in pounds |