

Part A: Use the FHS dataset (frmgham2.csv) to complete the work below:

1. Read in the frmgham2.csv dataset. Create a new dataset (subset of the larger dataset) including only PERIOD=1. Use this new dataset for the remainder of the worksheet.
2. What is the average age & 95% CI? Be sure to interpret.
3. There is a variable in the FHS dataset that defines people who have CVD at entry (Prevalent CVD).
 - a. What is the age (95%CI) for those with prevalent CVD?
 - b. What is the age (95% CI) for those without prevalent CVD?

Part B: Use the FHS dataset (frmgham2.csv) to complete the work below:

1. What is the mean BMI in the FHS dataset? *Hint: Remember how to remove missing values!*
2. We want to know whether the mean BMI is different than 25.
 - a. What are the null and alternative hypotheses?
 - b. Now, answer this question using a hypothesis test. Be sure to state the: test statistic, p-value, and conclusion.
 - c. Answer this question based on the 95% CI. Justify your answer.