**Instructions:** Use the file ‘SoftwarePractice.csv’ to answer the following questions.

**Variable Codebook**

* *TV\_watching\_per\_week* : Number of hours a student spends watching TV per week.
* *Math\_score* : Score (number correct) on a 50-Item Math Exam.
* *number\_Classes\_missed* : Number of classes a student has missed.
* *Num\_hours\_sleep* : Number of hours of sleep a student gets on a typical night.
* *Institution\_type* : Type of institution a student attends.
  + 0 = Public
  + 1 = Private

1. Find the mean of the *TV\_watching\_per\_week* variable. Interpret this value.

9.988; the average amount of TV watched per week is equal to 9.988.

1. Find the mode of the *number\_Classes\_missed* variable. Interpret this value.

14; the most often occurring value for number of missed classes is equal to 14.

1. Find the median of the *Math\_score* variable. Interpret this value.

29; The value in the middle of the distribution of math score is equal to 29.

1. Find the range of the *num\_hours\_sleep* variable. Interpret this value.

7; the distance between the highest value and the lowest value is equal to 7.

1. Find the variance of the *TV\_watching\_per\_week* variable. Interpret this value.

34.899; the typical squared deviation from the mean is equal to 34.899.

1. Find the standard deviation of the *num\_hours\_sleep* variable. Interpret this value.

1.945; values typically deviate about the mean by 1.945 hours.

1. Find the mode of the *Institution\_type* variable. Interpret this value.

1; The most often occurring value for Institution Type is equal to 1 (Private).

1. Find the skewness value for the *Math\_score* variable. Interpret this value.

-0.116; This skewness value is negative, but very close to zero, indicating a lack of problematic skewness.

1. Find the kurtosis value for the *num\_hours\_sleep* variable. Interpret this value.

-0.770; This kurtosis value is negative, but close to zero, indicating a slightly platykurtic distribution.