**Instructions**

Using the practice dataset provided (‘SoftwarePractice.csv’), complete the following tasks using your software of choice (SPSS, R, or SAS).

**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. Obtain *z* scores for the *TV\_watching\_per\_week* variable.
2. What is the *z* score associated with a value of 3 for the *TV\_watching\_per\_week* variable?

-1.183

1. Obtain *z* scores for the *Math\_score* variable.
2. What is the *z* score associated with a value of 44 for the *Math\_score* variable?

1.311

1. Obtain *z* scores for the *number\_Classes\_missed* variable.
2. What is the *z* score associated with a value of 2 for the *number\_Classes\_missed* variable?

-1.258

1. Obtain *z* scores for the *Num\_hours\_sleep* variable.
2. What is the *z* score associated with a value of 10 for the *num\_hours\_sleep* variable?

1.547