EDU Stats: Descriptive & Comparative: Assignment #1\_Edited

1. Create the vectors ‘x’, ‘y’ and ‘z’, with values shown below in order.
   1. 5, 10, 15, 20, 25, 30
   2. -1, NA, 75, 3, 5, 8
   3. 5
2. Multiply the first two vectors by the z vector, and store these in new objects. Print these new vectors.
   1. x\*z [1] 25, 50, 75, 100, 125,150
   2. y\*z [1] -5, NA, 375, 15, 25, 40
3. Replace the missing element of the y vector with the value 2.5, using the ifelse() function and print the vector.
   1. y<-ifelse(is.na(y), (2.5), y)
   2. [1] -1.0 2.5 75.0 3.0 5.0 8.0
4. Print the first 10 state abbreviations
   1. [1] AK AL AR AZ CA CO CT DE FL GA
5. Central Tendencies:
   1. What is the mean murder rate in the U.S. given these data? 8.727
   2. What is the median murder rate? 6.800
6. What is the mean murder rate in New England? 3.55
   1. Hint: Look here: <https://en.wikipedia.org/wiki/New_England>
   2. States: Maine, Vermont, New Hampshire, Massachusetts, Rhode Island, and   
      Connecticut
7. Bonus: What is the mean Vcrime rate in the U.S.? 618.3