**Practice questions on exam scores**

1. Build a linear model to examine the association between exam grades and number of classes attended. Test model assumptions but do not change anything as regression is a robust model that can handle minor deviation from its assumptions. Once these steps are done, write down the model below and interpret key findings.

Steps to follow:

1. Construct a scatter diagram
2. Determine Pearson correlation coefficient
3. Verify assumptions
4. Determine coefficient of determination and interpret it.
5. Determine slope and y-int of the regression line. Interpret these.
6. Build another linear model to examine the association between exam grades and class attendance (more vs less). Which model is better between Q1 and Q2 and why?

Steps to follow:

1. Recode the X variable (more: >12 and less: <=12)
2. Run the regression analysis
3. Determine coefficient of determination and interpret it.
4. Determine slope and y-int of the regression line. Interpret these.
5. Build a linear model to examine the effect of tutorial classes in exam score? Do you think attending tutorial classes benefit students to score higher in exam? Interpret key findings.

Steps to follow:

1. Recode the X variable
2. Run the regression analysis
3. Determine coefficient of determination and interpret it.
4. Determine slope and y-int of the regression line. Interpret these.