Motto of the class: Is income related to education?

Graphical representations for bivariate qualitative and quantitative data

(i) stacked barcharts, side-by-side charts
(ii) scatterplots

Numerical measures of strength of a relationship

* covariance
* correlation

Properties of correlation
Seeking King Kongs in the data to critically evaluate the correlation coefficient

Seeking the linear patterns in scatterplots

Linear regression $y = a + bx$

Intercept and slope - parameters of the linear model to be estimated from the data
Method of the least squares and the differences in defining the distance from the line

Using regression for prediction

CLASS NOTICES

TA has additional 10 points to add for class activity
homeworks will be graded cumulatively (no dropped homeworks)

Homework no 2 - due July 10

Chapter 3: 22,29,35,37,38
Chapter 4: 7,8,29,30,62,63,77,78