Econometrics I: Initial assessment questions: I hope to learn about your background. Please email

me your answers. These are mainly for my information.

1) in linear regression of y on x

y=a+ bx+ error

In a geometric representation, which axis is vertical? y or x

2) which is the intercept, and which is the slope?

3) If y has T=35 observations, what are the dimensions of y, x, and error, a and b?

How will you depict the error in the above graph

4) what is the R command to estimate the regression model?

5) In model y=a+ bx+ error

If we replace y with (y Minus mean(x)) and similarly for x,

then a is always zero. True or False?

6) If the t statistic for a and b is larger than 2, will the coefficients be significant?

7) If the Durbin-Watson statistic is about 2, what do you conclude?

8) what are standard assumptions about the error term?

9) In model y=a0+ a x1 +b x2 +u

Even if x1 and x2 are perfectly collinear, a+b is estimable. True or False?