## **Econometric Model for Academic / Career Success**

I teach a course on Applied Econometrics called Statistical Modelling for Business Analytics.

This is quite a popular course in our department and many of my students have told me that they enjoy it and learn a lot about data analysis and regression methods and the philosophy of econometrics.

This year, I suggested the following econometric model for academic or career success (some variables added on the suggestion of my students). I thought I will upload this here for general mulling 😳

For non-econometricians, the  $\beta$ 's in the following equation are the weights of each of the factors in determining success. I also specified a model for self-confidence which is determined by prior success etc.

 $Success = \beta_0 + \beta_1 * Ability + \beta_2 * Hard Work + \beta_3 * SelfConfidence + \beta_4 * Resilience + \beta_5 * Emotional intelligence$ 

 $+ \beta_6 * Conscientiousness + \beta_7 * Resource fulness + \beta_8 * Physical health + \beta_9 * Mental health$ 

 $+ \beta_{10} * Parental Support + \beta_{11} * Socioe conomic status + \beta_{12} * Minority status + \beta_{13}$ 

\* Time management skills +  $\beta_{14}$  \* Networking skills +  $\beta_{15}$  \* Support of mentors (bosses) +  $\beta_{15}$ 

\* Economic conditions and technology of that  $era + u(random \ error - luck)$ 

*SelfConfidence*<sub>t</sub>

 $= \gamma_{0} + \gamma_{1} * Success_{t-1} + \gamma_{2} * Knowledge of Own Ability + \gamma_{3} * Experience of Working Hard_{t-1}$   $+ \gamma_{4} * Physical health + \gamma_{5} * Mental health + \gamma_{6} * Emotional intelligence + \gamma_{7} * Socioeconomic status$   $+ \gamma_{8} * Wisdom (not comparing with others, having a sense of proportion) + \gamma_{9} * Parental Support + \gamma_{10}$   $* Appreciation or acceptance from peers + \gamma_{11} * Challenges faced (going out of comfort zone)_{t-1}$  + u(random error - mood)