

Econ140 Cheat Sheet

by carol2008 via cheatography.com/79007/cs/22060/

Multi Linear Regression

Example:Education VS Salary

Claim

wagei = B0 + B1*educi* +

Yi = 0 + B1*X1i + ... + BkXki + ui

B2experi + ui

Key assumption: $E[ui \mid X1i \dots Xki] = 0$ assume that all other factors are uncorr-

elated with X1...Xk .

Bj = dY/dXj, j=1...k

holding all other factors fixed.

OLSEs for MLR

min b0;b1;b2 Xn i=1 (Yi b0 b1X1i b2X2i)2 = SSR



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