## Multi Linear Regression

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|---|---|
| Example:Education VS Salary | |
| Claim | |
| wagei = B0 + B1*educi* + *B2*experi + ui | Yi = 0 + B1*X1i + ... + BkXki + ui |
| | Key assumption: E[ui |X1i ...Xki] = 0 assume that all other factors are uncorrelated 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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