

ANNEX

Equation 1

Dependent Variable: GRADE

Method: Least Squares

Sample: 1 554

Included observations: 554

| Variable | Coefficient | Std. Error | t-Statistic | Prob. |
|--------------|-------------|------------|-------------|--------|
| C | 19.63659 | 2.646685 | 7.419317 | 0.0000 |
| DIST | 0.822638 | 0.270135 | 3.045279 | 0.0024 |
| DIST^2 | -0.047286 | 0.021634 | -2.185719 | 0.0293 |
| LOG(TUITION) | 2.938697 | 1.062648 | 2.765447 | 0.0059 |
| STUDY | 2.219878 | 0.181258 | 12.24705 | 0.0000 |
| WORK | -3.969623 | 1.089371 | -3.643960 | 0.0003 |

| | | | |
|--------------------|-----------|-----------------------|----------|
| R-squared | 0.273535 | Mean dependent var | 49.92208 |
| Adjusted R-squared | 0.266907 | S.D. dependent var | 8.722370 |
| S.E. of regression | 7.468170 | Akaike info criterion | 6.869948 |
| Sum squared resid | 30563.91 | Schwarz criterion | 6.916704 |
| Log likelihood | -1896.976 | Hannan-Quinn criter. | 6.888214 |
| F-statistic | 41.26754 | Durbin-Watson stat | 1.773440 |
| Prob(F-statistic) | 0.000000 | | |

Equation 2

Dependent Variable: GRADE

Method: Least Squares

Sample: 1 554

Included observations: 554

| Variable | Coefficient | Std. Error | t-Statistic | Prob. |
|--------------|-------------|------------|-------------|--------|
| C | 21.51916 | 2.604661 | 8.261787 | 0.0000 |
| LOG(TUITION) | 3.320457 | 1.055818 | 3.144916 | 0.0018 |
| STUDY | 2.191213 | 0.182508 | 12.00615 | 0.0000 |
| WORK | -4.794599 | 1.068854 | -4.485738 | 0.0000 |

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|--------------------|-----------|-----------------------|----------|
| R-squared | 0.259068 | Mean dependent var | 49.92208 |
| Adjusted R-squared | 0.255026 | S.D. dependent var | 8.722370 |
| S.E. of regression | 7.528439 | Akaike info criterion | 6.882447 |
| Sum squared resid | 31172.57 | Schwarz criterion | 6.913617 |
| Log likelihood | -1902.438 | Hannan-Quinn criter. | 6.894624 |
| F-statistic | 64.10272 | Durbin-Watson stat | 1.741942 |
| Prob(F-statistic) | 0.000000 | | |

Equation 3

Dependent Variable: GRADE
Method: Least Squares

Sample: 1 554
Included observations: 554

| Variable | Coefficient | Std. Error | t-Statistic | Prob. |
|--------------------|-------------|-----------------------|-------------|----------|
| C | 19.63659 | 2.646685 | 7.419317 | 0.0000 |
| DIST | 0.822638 | 0.270135 | 3.045279 | 0.0024 |
| DIST^2 | -0.047286 | 0.021634 | -2.185719 | 0.0293 |
| LOG(TUITION) | 2.938697 | 1.062648 | 2.765447 | 0.0059 |
| STUDY-2*WORK | 2.219878 | 0.181258 | 12.24705 | 0.0000 |
| WORK | 0.470133 | 1.185234 | 0.396659 | 0.6918 |
| R-squared | 0.273535 | Mean dependent var | | 49.92208 |
| Adjusted R-squared | 0.266907 | S.D. dependent var | | 8.722370 |
| S.E. of regression | 7.468170 | Akaike info criterion | | 6.869948 |
| Sum squared resid | 30563.91 | Schwarz criterion | | 6.916704 |
| Log likelihood | -1896.976 | Hannan-Quinn criter. | | 6.888214 |
| F-statistic | 41.26754 | Durbin-Watson stat | | 1.773440 |
| Prob(F-statistic) | 0.000000 | | | |

Equation 4

Dependent Variable: GRADE
Method: Least Squares

Sample: 1 554
Included observations: 554

| Variable | Coefficient | Std. Error | t-Statistic | Prob. |
|--------------------|-------------|-----------------------|-------------|----------|
| C | 4.217138 | 10.04695 | 0.419743 | 0.6748 |
| DIST | 3.038525 | 1.418846 | 2.141547 | 0.0327 |
| DIST^2 | -0.175834 | 0.083647 | -2.102100 | 0.0360 |
| LOG(TUITION) | 10.53979 | 4.894669 | 2.153321 | 0.0317 |
| STUDY | 8.203638 | 3.765904 | 2.178398 | 0.0298 |
| WORK | -13.79811 | 6.273490 | -2.199432 | 0.0283 |
| GRADE_HAT^2 | -0.026424 | 0.016611 | -1.590769 | 0.1122 |
| R-squared | 0.276880 | Mean dependent var | | 49.92208 |
| Adjusted R-squared | 0.268948 | S.D. dependent var | | 8.722370 |
| S.E. of regression | 7.457762 | Akaike info criterion | | 6.868943 |
| Sum squared resid | 30423.16 | Schwarz criterion | | 6.923492 |
| Log likelihood | -1895.697 | Hannan-Quinn criter. | | 6.890253 |
| F-statistic | 34.90742 | Durbin-Watson stat | | 1.790756 |
| Prob(F-statistic) | 0.000000 | | | |

where **GRADE_HAT^2** is the squared predicted value of **GRADE** obtained from the estimation of Equation 1.