# Exercício C7.1

Dependent Variable: COLGPA
Method: Least Squares
Sample: 1 141
Included observations: 141

| Variable | Coefficient | Std. Error | t-Statistic | Prob. |
|---|---|---|---|---|
| C | 1.263520 | 0.333126 | 3.792925 | 0.0002 |
| PC | 0.157309 | 0.057287 | 2.745961 | 0.0068 |
| HSGPA | 0.447242 | 0.093647 | 4.775801 | 0.0000 |
| ACT | 0.008659 | 0.010534 | 0.821987 | 0.4125 |

| | | | |
|---|---|---|---|
| R-squared | 0.219386 | Mean dependent var | 3.056738 |
| Adjusted R-squared | 0.202292 | S.D. dependent var | 0.372310 |
| S.E. of regression | 0.332527 | Akaike info criterion | 0.663768 |
| Sum squared resid | 15.14868 | Schwarz criterion | 0.747421 |
| Log likelihood | -42.79566 | Hannan-Quinn criter. | 0.697762 |
| F-statistic | 12.83426 | Durbin-Watson stat | 1.869922 |
| Prob(F-statistic) | 0.000000 | | |

Dependent Variable: COLGPA
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| Variable | Coefficient | Std. Error | t-Statistic | Prob. |
|---|---|---|---|---|
| C | 1.255554 | 0.335392 | 3.743545 | 0.0003 |
| PC | 0.151854 | 0.058716 | 2.586241 | 0.0108 |
| HSGPA | 0.450220 | 0.094280 | 4.775364 | 0.0000 |
| ACT | 0.007724 | 0.010678 | 0.723397 | 0.4707 |
| MOTHCOLL | -0.003758 | 0.060270 | -0.062350 | 0.9504 |
| FATHCOLL | 0.041800 | 0.061270 | 0.682226 | 0.4963 |

| | | | |
|---|---|---|---|
| R-squared | 0.222204 | Mean dependent var | 3.056738 |
| Adjusted R-squared | 0.193396 | S.D. dependent var | 0.372310 |
| S.E. of regression | 0.334376 | Akaike info criterion | 0.688521 |
| Sum squared resid | 15.09400 | Schwarz criterion | 0.814000 |
| Log likelihood | -42.54070 | Hannan-Quinn criter. | 0.739511 |
| F-statistic | 7.713451 | Durbin-Watson stat | 1.891232 |
| Prob(F-statistic) | 0.000002 | | |

Wald Test:
Equation: EQUA2

| Test Statistic | Value | df | Probability |
|---|---|---|---|
| F-statistic | 0.244552 | (2, 135) | 0.7834 |
| Chi-square | 0.489103 | 2 | 0.7831 |

Null Hypothesis Summary:

| Normalized Restriction (= 0) | Value | Std. Err. |
|---|---|---|
| C(5) | -0.003758 | 0.060270 |
| C(6) | 0.041800 | 0.061270 |

Restrictions are linear in coefficients.