

Supplemental Tables

Regression Coefficients

OLS Residual Models for Seniors (N=613):

Predicted Level of Academic Challenge =

48.638 + .602*selectivity + 2.234*sector
- 1.125*Extensive - .816*Intensive +
1.266*Liberal arts + .300*General
+ .460*Other Carnegie + 1.533*on
campus + 4.245*female + 6.586*full-
time - 2.153*humanities - 3.025*math -
6.684*preprofessional - 5.772*multiple -
4.899*Alien + 4.486*Asian +
1.062*Black + 3.131*Latina/o +
9.621*Native American +
3.946*Unknown
Adjusted R2=.56

Predicted Active and Collaborative Learning =

34.963 + 1.839*sector + 1.184*rural +
1.132*small town + .932*large town +
.987*fringe1
+ .598*mid-size - .452*fringe2 -
.079*enrollment - 2.392*Extensive -
1.938*Intensive + .114*Liberal arts -
.069*General + .730*Other Carnegie +
5.904*female + 9.331*full-time -
.008*humanities + 4.894*math +
4.039*preprofessional + 2.936*multiple -
3.934*Alien - 3.470*Asian +
4.624*Black + 4.760*Latina/o +
27.944*Native American +
5.445*Unknown
Adjusted R2=.44

Predicted Student-faculty Interaction =

40.864 + 2.178*sector + 1.849*rural +
1.802*small town + 1.766*large town +
1.042*fringe1 + .639*mid-size -
.526*fringe2 - 2.553*Extensive -
1.378*Intensive + 3.242*Liberal arts +
.461*General + .328*Other Carnegie +
4.896*on campus + 5.452*female +
9.382*full-time - .350*age -
2.938*humanities - .135*math +
4.243*preprofessional - 3.791*multiple -
2.745*Alien - 10.524*Asian +
6.357*Black + .938*Latina/o +
20.284*Native American -
.905*Unknown
Adjusted R2=.66

Predicted Enriching Educational Experiences =

44.007 + .553*selectivity + 2.556*sector

Predicted Supportive Campus Environment =

49.198 + 5.086*sector + 2.598*rural +
3.017*small town + 4.188*large town +
1.796*fringe1 + 1.666*mid-size +
1.027*fringe2
- 3.073*Extensive - 2.257*Intensive +
.584*Liberal arts + .564*General +
.418*Other Carnegie + 2.668*on campus
+ 3.449*female + 4.342*full-time +
.216*humanities - 4.450*math -
.643*preprofessional - 4.510*multiple -
2.159*Alien + .161*Asian - 1.208*Black +
4.857*Latina/o + 15.056*Native American
- 8.693*Unknown

Notes:

1. Residual models initially contained all independent variables listed below. Model reduction proceeded one variable at a time; each iteration removed the variable associated with the largest p value. For all but dummied variables with more than two categories, we removed variables that did not yield significant coefficients ($p < .05$ with two-tailed tests). For urbanicity, 2000 Carnegie Classification, major field, and race/ethnicity, we tested whether all dummy coefficients for each variable were simultaneously equal to zero. If Wald tests suggested that we could not reject the null hypothesis (chi-square, $p < .05$), we dropped the variable from the model (with its attendant dummy variables), and
2. As the independent variables were not mean-centered in any way, model intercepts have no special interpretation.

Adjusted R2=.48