Appendix B:
Standard Error Tables

Table B2.1—Standard errors for percentage distribution of full-time faculty, by faculty seniority and type and control of institution: Fall 1992

| Type and control of institution | All faculty ${ }^{1}$ |  | New faculty ${ }^{2}$ |  | Senior faculty ${ }^{2}$ |  | New faculty as percent all faculty |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Number | Percent | Number | Percent | Number | Percent |  |
| All institutions | 11,158.2 | 0.00 | 5,087.4 | 0.00 | 7,646.7 | 0.00 | 0.6 |
| All research institutions | 11,144.8 | 1.80 | 4,588.6 | 2.11 | 7,307.7 | 1.80 | 1.4 |
| Public | 11,322.7 | 1.96 | 4,260.3 | 2.19 | 7,569.3 | 1.96 | 1.5 |
| Private | 6,614.4 | 1.27 | 3,110.4 | 1.74 | 3,808.7 | 1.11 | 3.1 |
| All other doctorate-granting institutions ${ }^{3}$ | 5,945.7 | 1.21 | 2,352.1 | 1.39 | 4,069.7 | 1.24 | 1.5 |
| Public | 5,063.9 | 1.05 | 1,866.7 | 1.14 | 3,451.6 | 1.07 | 1.5 |
| Private | 3,115.7 | 0.59 | 1,431.0 | 0.80 | 2,156.1 | 0.61 | 3.4 |
| All comprehensive institutions | 4,206.1 | 0.80 | 1,670.0 | 0.99 | 3,279.1 | 0.89 | 0.9 |
| Public | 3,635.5 | 0.69 | 1,426.0 | 0.83 | 2,856.5 | 0.78 | 1.1 |
| Private | 2,115.2 | 0.41 | 869.1 | 0.51 | 1,610.4 | 0.46 | 1.6 |
| Private liberal arts institutions | 1,619.1 | 0.33 | 874.4 | 0.52 | 1,111.4 | 0.34 | 1.6 |
| Public 2-year institutions | 4,088.9 | 0.75 | 1,814.8 | 1.00 | 2,919.7 | 0.80 | 1.1 |
| All other institutions ${ }^{4}$ | 2,161.1 | 0.42 | 970.8 | 0.56 | 1,418.1 | 0.41 | 2.0 |

[^0]Table B2.2—Standard errors for percentage distribution of full-time faculty, by faculty seniority and program area: Fall 1992

| Program area | All faculty ${ }^{1}$ |  | New faculty ${ }^{2}$ |  | Senior faculty ${ }^{2}$ |  | New faculty as percent of all faculty |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Number | Percent | Number | Percent | Number | Percent |  |
| Total ${ }^{3}$ | 10,778.8 | 0.00 | 4,878.0 | 0.00 | 7,495.7 | 0.00 | 0.59 |
| Professions | 5,119.1 | 0.64 | 2,486.9 | 0.99 | 3,514.5 | 0.70 | 0.93 |
| Business | 1,692.4 | 0.33 | 846.7 | 0.51 | 1,286.2 | 0.36 | 1.59 |
| Education | 1,668.6 | 0.31 | 740.4 | 0.44 | 1,276.4 | 0.35 | 1.53 |
| Engineering | 1,848.0 | 0.35 | 924.5 | 0.53 | 1,246.5 | 0.35 | 2.24 |
| Health Sciences | 3,814.7 | 0.63 | 1,930.8 | 0.95 | 2,463.1 | 0.63 | 1.65 |
| Liberal arts and sciences | 6,179.4 | 0.69 | 2,825.5 | 1.04 | 4,544.3 | 0.75 | 0.73 |
| Fine arts | 1,992.4 | 0.38 | 775.2 | 0.47 | 1,509.1 | 0.43 | 1.68 |
| Humanities | 2,060.8 | 0.34 | 945.6 | 0.56 | 1,692.8 | 0.42 | 1.03 |
| Natural sciences | 3,326.2 | 0.49 | 1,781.9 | 0.84 | 2,551.7 | 0.60 | 1.31 |
| Social sciences | 2,230.7 | 0.38 | 1,237.3 | 0.63 | 1,714.0 | 0.45 | 1.64 |
| All other program areas | 3,186.2 | 0.54 | 1,485.6 | 0.77 | 2,257.4 | 0.59 | 1.35 |

${ }^{1}$ Includes full-time faculty who reported their principal activity during Fall 1992 was teaching, research, or selected administration activities.
${ }^{2}$ New full-time faculty are defined as having 7 years or less in a full-time faculty position; whereas senior faculty are those who had more than 7 years in a full-time faculty position.
${ }^{3}$ The numbers for program area differ slightly from those for other variables (i.e., type and control of institution) because some faculty did not report a principal area of teaching.
NOTE: Details may not add to total because of rounding.
SOURCE: U.S. Department of Education, National Center for Education Statistics, 1993 National Study of Postsecondary Faculty,
"Faculty Survey."

Table B3.1—Standard errors for mean age and age distribution of full-time faculty, by faculty seniority, gender, type and control of institution, and program area: Fall 1992

| Faculty seniority, gender, type and control of institution, and program area | Number | Mean | Age (\%) |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | <30 | 30-34 | 35-39 | 40-44 | 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | >69 |
| All faculty ${ }^{1}$ | 11,158.2 | 0.12 | 0.13 | 0.30 | 0.38 | 0.39 | 0.44 | 0.42 | 0.40 | 0.32 | 0.20 | 0.12 |
| New faculty ${ }^{2}$ | 5,087.4 | 0.21 | 0.35 | 0.83 | 0.90 | 0.73 | 0.63 | 0.55 | 0.43 | 0.33 | 0.18 | 0.14 |
| Senior faculty ${ }^{2}$ | 7,646.7 | 0.11 | 0.04 | 0.17 | 0.29 | 0.48 | 0.53 | 0.53 | 0.56 | 0.46 | 0.27 | 0.17 |
| Gender |  |  |  |  |  |  |  |  |  |  |  |  |
| New faculty |  |  |  |  |  |  |  |  |  |  |  |  |
| Male | 3,619.1 | 0.27 | 0.38 | 1.16 | 1.40 | 1.00 | 0.79 | 0.77 | 0.64 | 0.51 | 0.29 | 0.13 |
| Female | 2,330.6 | 0.27 | 0.67 | 0.97 | 1.06 | 1.13 | 0.91 | 0.71 | 0.50 | 0.35 | 0.17 | 0.30 |
| Senior faculty |  |  |  |  |  |  |  |  |  |  |  |  |
| Male | 6,303.2 | 0.13 | 0.04 | 0.19 | 0.33 | 0.57 | 0.64 | 0.64 | 0.72 | 0.59 | 0.34 | 0.22 |
| Female | 2,465.1 | 0.17 | 0.12 | 0.40 | 0.58 | 0.82 | 0.81 | 0.82 | 0.65 | 0.55 | 0.36 | 0.20 |
| $\begin{array}{ll}  & \text { Type and control } \\ \text { New faculty } \end{array}$ |  |  |  |  |  |  |  |  |  |  |  |  |
| All institutions | 5,087.4 | 0.21 | 0.35 | 0.83 | 0.90 | 0.73 | 0.63 | 0.55 | 0.43 | 0.33 | 0.18 | 0.14 |
| All research institutions | 4,588.6 | 0.50 | 0.87 | 2.08 | 2.21 | 1.85 | 1.21 | 1.02 | 0.97 | 0.78 | 0.45 | * |
| All other doctorate-granting institutions ${ }^{3}$ | 2,352.1 | 0.44 | 0.70 | 2.52 | 2.41 | 1.54 | 1.39 | 1.15 | 1.10 | 0.54 | 0.43 | 0.38 |
| All comprehensive institutions | 1,670.0 | 0.30 | 0.60 | 1.24 | 1.23 | 1.10 | 1.14 | 1.05 | 0.69 | 0.61 | 0.32 | 0.23 |
| Private liberal arts institutions | 874.4 | 0.65 | 1.14 | 1.95 | 2.49 | 1.92 | 2.16 | 1.22 | 1.15 | 0.78 | 0.58 | * |
| Public 2-year institutions | 1,814.8 | 0.34 | 0.70 | 1.19 | 1.37 | 1.39 | 1.46 | 1.34 | 0.92 | 0.65 | 0.19 | * |
| All other institutions ${ }^{4}$ | 970.8 | 0.90 | 1.14 | 2.40 | 2.24 | 2.64 | 2.62 | 2.40 | 1.87 | 1.77 | 0.95 | 0.88 |
| Senior faculty |  |  |  |  |  |  |  |  |  |  |  |  |
| All institutions | 7,646.7 | 0.11 | 0.04 | 0.17 | 0.29 | 0.48 | 0.53 | 0.53 | 0.56 | 0.46 | 0.27 | 0.17 |
| All research institutions | 7,307.7 | 0.27 | * | 0.34 | 0.73 | 1.24 | 1.36 | 1.15 | 1.51 | 1.20 | 0.73 | 0.40 |
| All other doctorate-granting institutions ${ }^{3}$ | 4,069.7 | 0.32 | * | 0.79 | 0.65 | 1.26 | 1.24 | 1.32 | 1.11 | 1.35 | 0.64 | 0.69 |
| All comprehensive institutions | 3,279.1 | 0.17 | 0.14 | 0.18 | 0.50 | 0.70 | 0.81 | 0.88 | 0.94 | 0.71 | 0.43 | 0.22 |
| Private liberal arts institutions | 1,111.4 | 0.33 | * | 0.34 | 0.96 | 1.57 | 1.74 | 1.87 | 1.64 | 1.19 | 0.80 | 0.40 |
| Public 2-year institutions | 2,919.7 | 0.22 | 0.09 | 0.38 | 0.52 | 0.88 | 1.09 | 1.15 | 1.03 | 0.70 | 0.39 | 0.22 |
| All other institutions ${ }^{4}$ | 1,418.1 | 0.47 | * | 0.55 | 1.65 | 2.18 | 2.15 | 2.33 | 1.97 | 1.34 | 1.31 | 0.63 |

Table B3.1—Standard errors for mean age and age distribution of full-time faculty, by faculty seniority, gender, type and control of institution, and program area: Fall 1992, continued

| Faculty seniority, gender, type and control of institution, and program area | Age (\%) |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Number | Mean | <30 | 30-34 | 35-39 | 40-44 | 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | $>69$ |
| Program area ${ }^{5}$ |  |  |  |  |  |  |  |  |  |  |  |  |
| New faculty |  |  |  |  |  |  |  |  |  |  |  |  |
| All program areas | 4,878.0 | 0.21 | 0.35 | 0.83 | 0.92 | 0.72 | 0.62 | 0.56 | 0.43 | 0.34 | 0.19 | 0.15 |
| Professions | 2,486.9 | 0.30 | 0.38 | 1.57 | 1.21 | 1.40 | 1.01 | 1.00 | 0.68 | 0.67 | 0.27 | 0.17 |
| Liberal arts and sciences | 2,825.5 | 0.24 | 0.59 | 0.98 | 1.36 | 1.07 | 0.83 | 0.69 | 0.54 | 0.42 | 0.24 | 0.14 |
| Fine arts | 775.2 | 0.59 | 1.23 | 2.51 | 2.85 | 2.83 | 2.63 | 2.14 | 1.65 | 0.71 | 0.65 | 0.56 |
| Humanities | 945.6 | 0.32 | 0.79 | 1.27 | 1.76 | 1.60 | 1.73 | 1.20 | 0.82 | 0.48 | 0.31 | 0.10 |
| Natural sciences | 1,781.9 | 0.67 | 0.67 | 1.62 | 2.42 | 1.95 | 1.14 | 1.18 | 1.06 | 0.56 | 0.50 | 0.21 |
| Social sciences | 1,237.3 | 0.65 | 2.10 | 2.49 | 2.46 | 2.32 | 1.70 | 1.29 | 0.78 | 1.45 | 0.34 | 0.41 |
| All other program areas | 1,485.6 | 0.60 | 1.06 | 1.70 | 2.36 | 1.72 | 1.48 | 1.75 | 1.77 | 0.90 | 0.73 | 0.79 |
| Senior faculty |  |  |  |  |  |  |  |  |  |  |  |  |
| a All program areas | 7,495.7 | 0.11 | 0.04 | 0.18 | 0.30 | 0.48 | 0.54 | 0.52 | 0.57 | 0.45 | 0.27 | 0.17 |
| N Professions | 3,514.5 | 0.22 | 0.10 | 0.42 | 0.57 | 0.95 | 0.96 | 0.88 | 0.82 | 0.79 | 0.55 | 0.26 |
| Liberal arts and sciences | 4,544.3 | 0.14 | 0.06 | 0.18 | 0.36 | 0.57 | 0.67 | 0.73 | 0.73 | 0.57 | 0.36 | 0.20 |
| Fine arts | 1,509.1 | 0.40 | 0.40 | 0.49 | 1.26 | 1.75 | 1.80 | 1.83 | 2.00 | 1.43 | 1.00 | 0.30 |
| Humanities | 1,692.8 | 0.24 | 0.09 | 0.16 | 0.55 | 0.78 | 1.11 | 1.10 | 1.05 | 0.97 | 0.59 | 0.37 |
| Natural sciences | 2,551.7 | 0.22 | 0.04 | 0.41 | 0.64 | 0.99 | 1.08 | 1.21 | 1.16 | 0.87 | 0.62 | 0.32 |
| Social sciences | 1,714.0 | 0.31 | 0.09 | 0.30 | 0.79 | 1.29 | 1.47 | 1.51 | 1.37 | 1.11 | 0.81 | 0.57 |
| All other program areas | 2,257.4 | 0.29 | 0.04 | 0.52 | 0.63 | 1.27 | 1.40 | 1.36 | 1.33 | 1.15 | 0.62 | 0.78 |

${ }^{1}$ Includes full-time faculty who reported their principal activity during Fall 1992 was teaching, research, or selected administration activities.
${ }^{2}$ New full-time faculty are defined as having 7 years or less in a full-time faculty position; whereas senior faculty are those who had more than 7 years in a full-time faculty position.
${ }^{3}$ Includes medical schools.
${ }^{4}$ Includes public liberal arts, private 2-year, and other specialized institutions except medical schools.
${ }^{5}$ The numbers for program area differ slightly from those for other variables (i.e., type and control of institution) because some faculty did not report a principal area of teaching.

* Insufficient data to compute a standard error.

NOTE: Details may not add to total because of rounding.
SOURCE: U.S. Department of Education, National Center for Education Statistics, 1993 National Study of Postsecondary Faculty, "Faculty Survey."

Table B3.2—Standard errors for percentage distribution of full-time faculty, by faculty seniority, gender, type and control of institution, and program area: Fall 1992

| Type and control of institution and program area | All faculty |  | New faculty ${ }^{2}$ |  | Senior faculty ${ }^{2}$ |  | New Females as Percent of All Females |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Male | Female | Male | Female | Male | Female |  |
| All Institutions | 0.50 | 0.50 | 0.88 | 0.88 | 0.57 | 0.57 | 0.83 |
| Type and control |  |  |  |  |  |  |  |
| All research institutions | 0.94 | 0.94 | 1.73 | 1.73 | 1.09 | 1.09 | 0.83 |
| Public | 0.90 | 0.90 | 2.06 | 2.06 | 1.14 | 1.14 | 2.37 |
| Private | 2.16 | 2.16 | 3.02 | 3.02 | 2.42 | 2.42 | 2.86 |
| All other doctorate-granting institutions ${ }^{3}$ | 0.86 | 0.86 | 1.90 | 1.90 | 1.18 | 1.18 | 4.20 |
| Public | 1.11 | 1.11 | 1.99 | 1.99 | 1.27 | 1.27 | 1.82 |
| Private | 1.22 | 1.22 | 3.03 | 3.03 | 2.47 | 2.47 | 2.02 |
| All comprehensive institutions | 0.82 | 0.82 | 1.54 | 1.54 | 0.98 | 0.98 | 3.57 |
| Public | 0.84 | 0.84 | 1.73 | 1.73 | 1.09 | 1.09 | 1.52 |
| Private | 1.97 | 1.97 | 3.18 | 3.18 | 2.11 | 2.11 | 1.87 |
| Private liberal arts institutions | 2.44 | 2.44 | 3.18 | 3.18 | 2.51 | 2.51 | 2.59 |
| Public 2-year institutions | 0.94 | 0.94 | 1.81 | 1.81 | 1.12 | 1.12 | 2.16 |
| All other institutions ${ }^{4}$ | 3.18 | 3.18 | 4.26 | 4.26 | 3.23 | 3.23 | 1.40 |
| Program area |  |  |  |  |  |  |  |
| Professions | 1.02 | 1.02 | 1.80 | 1.80 | 1.20 | 1.20 | 3.60 |
| Business | 1.52 | 1.52 | 2.57 | 2.57 | 1.81 | 1.81 | 1.33 |
| Education | 1.74 | 1.74 | 3.11 | 3.11 | 2.19 | 2.19 | 2.35 |
| Engineering | 1.00 | 1.00 | 2.40 | 2.40 | 0.74 | 0.74 | 2.17 |
| Health sciences | 2.10 | 2.10 | 3.38 | 3.38 | 2.55 | 2.55 | 7.14 |
| Liberal arts and sciences | 0.64 | 0.64 | 1.17 | 1.17 | 0.71 | 0.71 | 1.85 |
| Fine arts | 1.73 | 1.73 | 3.36 | 3.36 | 1.91 | 1.91 | 3.24 |
| Humanities | 1.13 | 1.13 | 2.10 | 2.10 | 1.28 | 1.28 | 1.65 |
| Natural sciences | 0.90 | 0.90 | 1.76 | 1.76 | 0.94 | 0.94 | 2.25 |
| Social sciences | 1.22 | 1.22 | 2.43 | 2.43 | 1.27 | 1.27 | 2.67 |
| All other program areas | 1.28 | 1.28 | 2.28 | 2.28 | 1.43 | 1.43 | 2.40 |

${ }^{1}$ Includes full-time faculty who reported their principal activity during Fall 1992 was teaching, research, or selected administration activities.
${ }^{2}$ New full-time faculty are defined as having 7 years or less in a full-time faculty position; whereas senior faculty are those
who had more than 7 years in a full-time faculty position.
${ }^{3}$ Includes medical schools.
${ }^{4}$ Includes public liberal arts, private 2-year, and other specialized institutions except medical schools.
NOTE: Details may not add to total because of rounding.
SOURCE: U.S. Department of Education, National Center for Education Statistics, 1993 National Study of Postsecondary Faculty,
"Faculty Survey."

Table B3.3-Standard errors for racial/ethnic distribution of full-time faculty, by faculty seniority and gender: Fall 1992

|  | Faculty seniority and gender | Number | Race/Ethnicity |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | American Indian/ Alaskan Native | Asian or Pacific Islander | Black <br> Not Hispanic | Hispanic | White <br> Not Hispanic |
|  | All faculty ${ }^{1}$ | 11,158.2 | 0.06 | 0.26 | 0.39 | 0.19 | 0.52 |
|  | New faculty ${ }^{2}$ | 5,087.4 | 0.11 | 0.50 | 0.52 | 0.30 | 0.73 |
|  | Senior faculty ${ }^{2}$ | 7,646.7 | 0.07 | 0.27 | 0.39 | 0.21 | 0.55 |
| 9 | Gender New faculty |  |  |  |  |  |  |
|  | Male | 3,619.1 | 0.16 | 0.70 | 0.54 | 0.35 | 0.91 |
|  | Female | 2,330.6 | 0.13 | 0.59 | 0.78 | 0.42 | 0.95 |
|  | Senior faculty |  |  |  |  |  |  |
|  | Male | 6,303.2 | 0.09 | 0.32 | 0.34 | 0.23 | 0.55 |
|  | Female | 2,465.1 | 0.12 | 0.40 | 0.65 | 0.30 | 0.83 |

[^1]Table B3.4—Standard errors for percentage distribution of full-time faculty, by citizenship status, faculty seniority, and type and control of institution: Fall 1992

| Faculty seniority and type and control of institution | Number | Citizenship status |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Native U.S. citizen | Naturalized U.S. citizen | Permanent resident | Temporary resident |
| All faculty ${ }^{1}$ | 11,158.2 | 0.47 | 0.31 | 0.30 | 0.15 |
| New faculty ${ }^{2}$ | 5,087.4 | 0.92 | 0.40 | 0.64 | 0.40 |
| Senior faculty ${ }^{2}$ | 7,646.7 | 0.44 | 0.37 | 0.24 | 0.07 |
| Type and control |  |  |  |  |  |
| New faculty |  |  |  |  |  |
| All institutions | 5,087.4 | 0.92 | 0.40 | 0.64 | 0.40 |
| All research institutions | 4,588.6 | 2.32 | 0.91 | 1.69 | 1.17 |
| Public | 4,260.3 | 2.06 | 1.15 | 1.72 | 0.98 |
| Private | 3,110.4 | 5.50 | 1.26 | 3.74 | 2.78 |
| All other doctorate-granting institutions ${ }^{3}$ | 2,352.1 | 1.67 | 1.29 | 1.13 | 0.67 |
| Public | 1,866.7 | 2.16 | 1.31 | 1.34 | 0.79 |
| Private | 1,431.0 | 2.63 | 2.66 | 1.98 | 1.23 |
| All comprehensive institutions | 1,670.0 | 1.10 | 0.58 | 0.89 | 0.32 |
| Public | 1,426.0 | 1.42 | 0.76 | 1.14 | 0.41 |
| Private | 869.1 | 1.48 | 0.74 | 1.31 | 0.49 |
| Private liberal arts institutions | 874.4 | 1.83 | 0.98 | 1.21 | 0.37 |
| Public 2-year institutions | 1,814.8 | 0.96 | 0.66 | 0.74 | 0.06 |
| All other institutions ${ }^{4}$ | 970.8 | 2.41 | 1.58 | 1.72 | 0.89 |
| Senior faculty |  |  |  |  |  |
| All institutions | 7,646.7 | 0.44 | 0.37 | 0.24 | 0.07 |
| All research institutions | 7,307.7 | 1.10 | 0.95 | 0.67 | 0.21 |
| Public | 7,569.3 | 1.25 | 1.06 | 0.66 | 0.25 |
| Private | 3,808.7 | 2.09 | 2.10 | 1.81 | 0.31 |
| All other doctorate-granting institutions ${ }^{3}$ | 4,069.7 | 1.15 | 0.91 | 0.67 | 0.13 |
| Public | 3,451.6 | 1.31 | 1.07 | 0.79 | 0.13 |
| Private | 2,156.1 | 2.29 | 1.70 | 1.26 | 0.27 |
| All comprehensive institutions | 3,279.1 | 0.68 | 0.61 | 0.33 | 0.12 |
| Public | 2,856.5 | 0.80 | 0.70 | 0.40 | 0.16 |
| Private | 1,610.4 | 1.34 | 1.20 | 0.55 | 0.13 |
| Private liberal arts institutions | 1,111.4 | 1.19 | 0.79 | 0.59 | 0.09 |
| Public 2-year institutions | 2,919.7 | 0.70 | 0.66 | 0.28 | 0.07 |
| All other institutions ${ }^{4}$ | 1,418.1 | 2.47 | 1.51 | 1.52 | 0.40 |

[^2]Table B3.5-Standard errors for percentage distribution of full-time faculty, by citizenship status, faculty seniority, and program area: Fall 1992

| Faculty seniority and program area | Number | Citizenship Status |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Native U.S. citizen | Naturalized U.S. citizen | Permanent resident | Temporary resident |
| All faculty ${ }^{1}$ | 11,158.2 | 0.47 | 0.31 | 0.30 | 0.15 |
| New faculty ${ }^{2}$ | 5,087.4 | 0.92 | 0.40 | 0.64 | 0.40 |
| Senior faculty ${ }^{2}$ | 7,646.7 | 0.44 | 0.37 | 0.24 | 0.07 |
| Program area ${ }^{3}$ |  |  |  |  |  |
| New faculty |  |  |  |  |  |
| All program areas | 4,878.0 | 0.94 | 0.39 | 0.66 | 0.40 |
| Professions | 2,486.9 | 1.49 | 0.80 | 0.83 | 1.05 |
| Business | 846.7 | 2.00 | 1.02 | 1.69 | 0.62 |
| Education | 740.4 | 1.03 | 0.89 | 0.53 | 0.10 |
| Engineering | 924.5 | 4.34 | 3.13 | 3.19 | 1.24 |
| Health sciences | 1,930.8 | 2.56 | 1.29 | 1.27 | 2.32 |
| Liberal arts and sciences | 2,825.5 | 1.12 | 0.51 | 1.05 | 0.36 |
| Fine arts | 775.2 | 2.25 | 1.81 | 1.46 | 0.77 |
| Humanities | 945.6 | 1.57 | 0.87 | 1.22 | 0.67 |
| Natural sciences | 1,781.9 | 2.35 | 0.96 | 2.21 | 0.74 |
| Social sciences | 1,237.3 | 2.09 | 0.81 | 1.87 | 0.39 |
| All other program areas | 1,485.6 | 1.80 | 0.84 | 1.53 | 0.55 |
| Senior faculty |  |  |  |  |  |
| All program areas | 7,495.7 | 0.44 | 0.37 | 0.24 | 0.07 |
| Professions | 3,514.5 | 0.86 | 0.77 | 0.43 | 0.09 |
| Business | 1,286.2 | 1.13 | 0.94 | 0.71 | 0.19 |
| Education | 1,276.4 | 1.05 | 0.95 | 0.49 | 0.05 |
| Engineering | 1,246.5 | 2.99 | 2.79 | 1.74 | 0.45 |
| Health sciences | 2,463.1 | 1.38 | 1.18 | 0.68 | 0.12 |
| Liberal arts and sciences | 4,544.3 | 0.57 | 0.48 | 0.34 | 0.12 |
| Fine arts | 1,509.1 | 0.96 | 0.73 | 0.63 | 0.18 |
| Humanities | 1,692.8 | 0.98 | 0.86 | 0.57 | 0.14 |
| Natural sciences | 2,551.7 | 1.03 | 0.87 | 0.58 | 0.21 |
| Social sciences | 1,714.0 | 1.28 | 0.95 | 0.99 | 0.36 |
| All other program areas | 2,257.4 | 0.87 | 0.67 | 0.56 | 0.08 |

${ }^{1}$ Includes full-time faculty who reported their principal activity during Fall 1992 was teaching, research, or selected administration activities.
${ }^{2}$ New full-time faculty are defined as having 7 years or less in a full-time faculty position; whereas senior faculty are those who had more than 7 years in a full-time faculty position.
${ }^{3}$ The numbers for program area differ slightly from those for other variables (i.e., type and control of institution) because some faculty did not report a principal area of teaching.
NOTE: Details may not add to total because of rounding.
SOURCE: U.S. Department of Education, National Center for Education Statistics, 1993 National Study of Postsecondary Faculty, "Faculty Survey."

Table B4.1-Standard errors for percentage distribution of full-time faculty, by highest degree level, faculty seniority, gender, type and control of institution, and program area: Fall 1992

| Faculty seniority, gender, type and control of institution, and program area | Highest degree level |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Number | Professional or Doctoral | Master's | Bachelor's or less |
|  |  |  |  |  |
| All faculty ${ }^{1}$ | 11,084.92 | 0.81 | 0.69 | 0.32 |
| New faculty ${ }^{2}$ | 5,013.64 | 1.17 | 1.00 | 0.53 |
| Senior faculty ${ }^{2}$ | 7,632.83 | 0.85 | 0.75 | 0.31 |
| Gender |  |  |  |  |
| New faculty |  |  |  |  |
| Male | 3,547.02 | 1.34 | 1.11 | 0.66 |
| Females | 2,324.88 | 1.39 | 1.31 | 0.67 |
| Senior faculty |  |  |  |  |
| Male | 6,292.18 | 0.89 | 0.79 | 0.34 |
| Female | 2,461.96 | 1.18 | 1.13 | 0.45 |
| Type and control |  |  |  |  |
| New faculty |  |  |  |  |
| All institutions | 5,013.64 | 1.17 | 1.00 | 0.53 |
| All research universities | 4,513.76 | 1.53 | 1.39 | 0.74 |
| All other doctorate-granting institutions ${ }^{3}$ | 2,336.07 | 1.82 | 1.73 | 0.69 |
| All comprehensive institutions | 1,670.69 | 1.73 | 1.67 | 0.45 |
| Private liberal arts institutions | 868.26 | 4.41 | 4.21 | 1.07 |
| Public 2-year institutions | 1,778.78 | 1.37 | 1.78 | 1.84 |
| All other institutions ${ }^{4}$ | 975.44 | 5.38 | 4.34 | 2.27 |
| Senior faculty |  |  |  |  |
| All institutions | 7,632.83 | 0.85 | 0.75 | 0.31 |
| All research universities | 7,288.33 | 0.83 | 0.78 | 0.27 |
| All other doctorate-granting institutions ${ }^{3}$ | 4,058.09 | 1.27 | 1.26 | 0.23 |
| All comprehensive institutions | 3,279.50 | 1.08 | 1.06 | 0.18 |
| Private liberal arts institutions | 1,117.74 | 3.21 | 3.06 | 0.92 |
| Public 2-year institutions | 2,901.50 | 1.21 | 1.22 | 1.25 |
| All other institutions ${ }^{4}$ | 1,414.57 | 5.62 | 4.82 | 1.78 |

Table B4.1-Standard errors for percentage distribution of full-time faculty, by highest degree level, faculty seniority, gender, type and control of institution, and program area: Fall 1992, continued

| Faculty seniority, gender, type and control of institution, and program area | Highest degree level |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  | Professional |  | Bachelor's |
|  | Number | or Doctoral | Master's | or less |
| Program area ${ }^{5}$ |  |  |  |  |
| New faculty |  |  |  |  |
| All program areas | 4,809.71 | 1.15 | 1.00 | 0.51 |
| Professions | 2,469.65 | 1.80 | 1.60 | 0.74 |
| Liberal arts and sciences | 2,811.62 | 1.32 | 1.23 | 0.52 |
| Fine arts | 765.15 | 3.40 | 3.43 | 2.22 |
| Humanities | 945.61 | 2.04 | 1.99 | 0.63 |
| Natural sciences | 1,784.09 | 1.88 | 1.59 | 0.97 |
| Social sciences | 1,234.49 | 2.63 | 2.63 | 0.41 |
| All other program areas | 1,472.78 | 2.93 | 2.41 | 1.93 |
| Senior faculty |  |  |  |  |
| All program areas | 7,481.83 | 0.85 | 0.76 | 0.31 |
| Professions | 3,515.48 | 1.37 | 1.26 | 0.45 |
| Liberal arts and sciences | 4,540.75 | 0.94 | 0.88 | 0.23 |
| Fine arts | 1,479.52 | 2.67 | 2.57 | 1.02 |
| Humanities | 1,693.92 | 1.37 | 1.36 | 0.24 |
| Natural sciences | 2,551.49 | 1.28 | 1.22 | 0.43 |
| Social sciences | 1,713.62 | 1.45 | 1.41 | 0.32 |
| All other program areas | 2,229.42 | 2.14 | 1.78 | 1.29 |

[^3]Table B4.2-Standard errors for average age of full-time faculty ${ }^{1}$ at award of highest degree and at appointment to current position, by faculty seniority and highest degree level: Fall 1992

|  | Age when granted <br> highest degree |  |  |  | Age when hired <br> in current position |  |  |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| Faculty seniority <br> and highest degree | Mean | Median | Mode |  | Mean | Median | Mode |
| New faculty ${ }^{2}$ | 0.15 | 0.15 | 0.15 |  | 0.20 | 0.22 | 0.22 |
| Doctorate | 0.17 | 0.25 | 0.25 |  | 0.25 | 0.24 | 0.24 |
| Master's | 0.26 | 0.26 | 0.26 |  | 0.32 | 0.44 | 0.44 |
|  |  |  |  |  |  |  |  |
| Senior faculty ${ }^{2}$ | 0.10 | 0.12 | 0.12 |  | 0.12 | 0.15 | 0.15 |
| $\quad$ Doctorate | 0.13 | 0.13 | 0.13 |  | 0.14 | 0.19 | 0.19 |
| Master's | 0.17 | 0.18 | 0.18 |  | 0.21 | 0.24 | 0.24 |
|  |  |  |  |  |  |  |  |

[^4]Table B4.3-Standard errors for percentage of full-time faculty with previous employment, by faculty seniority and previous employment sector: Fall 1992

| Previous employment | All faculty ${ }^{1}$ |  | New faculty ${ }^{2}$ |  | Senior faculty ${ }^{2}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| sector | Number | Percent | Number | Percent | Number | Percent |
| All faculty | 11,158.2 | 0.54 | 5,087.4 | 0.75 | 7,646.7 | 0.68 |

Faculty with previous employment

| All sectors | $7,637.1$ | 0.00 | $4,148.7$ | 0.00 | $4,928.4$ | 0.00 |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: |
|  |  |  |  |  |  |  |
| 4-year college/university | $5,523.9$ | 0.72 | $2,555.5$ | 1.11 | $4,009.9$ | 0.79 |
| 2-year college | $1,736.7$ | 0.47 | 852.4 | 0.60 | $1,332.1$ | 0.60 |
| Elementary/secondary | $1,581.6$ | 0.43 | 946.0 | 0.68 | $1,115.8$ | 0.51 |
| Consulting | $1,266.9$ | 0.34 | 857.7 | 0.61 | 869.6 | 0.38 |
| Hospital | $2,240.9$ | 0.56 | $1,711.5$ | 1.04 | $1,170.6$ | 0.51 |
| Foundation or other nonprofit | $1,457.4$ | 0.39 | $1,100.7$ | 0.72 | 860.0 | 0.39 |
| For-profit business | $2,201.4$ | 0.53 | $1,449.0$ | 0.91 | $1,415.8$ | 0.59 |
| Federal government | $1,716.0$ | 0.42 | $1,169.4$ | 0.77 | $1,098.7$ | 0.47 |
| Other | 904.9 | 0.25 | 588.8 | 0.42 | 654.1 | 0.30 |

${ }^{1}$ Includes full-time faculty who reported their principal activity during Fall 1992 was teaching, research, or selected administration activities.
${ }^{2}$ New full-time faculty are defined as having 7 years or less in a full-time faculty position; whereas senior faculty are those who had more than 7 years in a full-time faculty position.
NOTE: Percents shown for a specific sector represent the percentage of faculty with previous employment in a full-time position during the past 15 years who had previous employment in that specific sector. Details will not add to total because faculty could have been previously employed in multiple sectors.
SOURCE: U.S. Department of Education, National Center for Education Statistics, 1993 National Study of Postsecondary Faculty, "Faculty Survey."

Table B4.4—Standard errors for percentage of full-time faculty with previous employment, by faculty seniority and primary responsibility in previous employment: Fall 1992

| Previous |
| :--- | :---: | ---: | :--- | ---: | :--- | ---: |
| employment |
| responsibility |$\quad$| All faculty ${ }^{1}$ |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: |
| New faculty ${ }^{2}$ |  |  |  |  |

Faculty with previous employment

| All responsibilities | $7,637.1$ | 0.00 | $4,148.7$ | 0.00 | $4,928.4$ | 0.00 |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: |
| Teaching | $4,854.2$ | 0.76 | $1,969.6$ | 1.09 | $3,834.0$ | 0.79 |
| Research | $3,443.8$ | 0.74 | $2,161.4$ | 1.12 | $2,068.5$ | 0.79 |
| Technical activities | $1,765.6$ | 0.46 | $1,084.0$ | 0.76 | $1,197.3$ | 0.52 |
| Clinical services | $2,166.3$ | 0.56 | $1,689.4$ | 1.05 | $1,070.4$ | 0.48 |
| Public service | 760.6 | 0.21 | 501.4 | 0.37 | 532.5 | 0.25 |
| Administration | $2,037.1$ | 0.49 | $1,253.2$ | 0.82 | $1,465.6$ | 0.61 |
| Other | $1,926.3$ | 0.49 | $1,223.3$ | 0.81 | $1,284.3$ | 0.54 |
|  |  |  |  |  |  |  |

[^5]Table B4.5-Standard errors for percentage of full-time faculty who have held a job other than their current once since receiving their highest degree, by faculty seniority, highest degree level, and primary responsibility of previous employment: Fall 1992

| Degree level and previous employment responsibility | All faculty ${ }^{1}$ |  | New faculty ${ }^{2}$ |  | Senior faculty ${ }^{2}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Number | Percent | Number | Percent | Number | Percent |
| All faculty | 11,158.2 | 0.51 | 5,087.4 | 0.90 | 7,646.7 | 0.55 |
| Highest degree ${ }^{3}$ |  |  |  |  |  |  |
| Doctorate ${ }^{4}$ | 9,473.2 | 0.64 | 4,088.3 | 1.25 | 6,648.2 | 0.68 |
| Master's | 3,987.2 | 0.79 | 2,034.2 | 1.43 | 2,839.3 | 0.87 |

Faculty with previous employment since receiving their highest degree

| Doctorate $^{4}$ | $3,335.4$ | 0.00 | $2,069.9$ | 0.00 | $2,133.6$ | 0.00 |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: |
|  |  |  |  |  |  |  |
| Teaching | $1,913.4$ | 1.75 | 579.4 | 1.85 | $1,711.6$ | 1.69 |
| Research | $2,215.0$ | 1.78 | $1,486.1$ | 2.45 | $1,336.4$ | 2.12 |
| Technical services | 525.9 | 0.66 | 357.0 | 1.04 | 364.5 | 0.79 |
| Clinical services | $1,309.5$ | 1.44 | $1,081.8$ | 2.68 | 565.6 | 1.13 |
| Public service | 399.8 | 0.48 | 300.8 | 0.87 | 259.7 | 0.56 |
| Administration | 916.3 | 1.06 | 654.0 | 1.75 | 627.6 | 1.25 |
| Other | 839.7 | 0.98 | 433.9 | 1.25 | 601.6 | 1.20 |
|  |  |  |  |  |  |  |
| Master's | $1,533.5$ | 0.00 | $1,037.1$ | 0.00 | 952.5 | 0.00 |
|  |  |  |  |  |  |  |
| Teaching | $1,209.1$ | 1.78 | 720.3 | 2.68 | 829.0 | 1.89 |
| Research | 344.3 | 0.90 | 247.1 | 1.26 | 205.3 | 1.11 |
| Technical services | 518.8 | 1.27 | 408.4 | 1.93 | 310.7 | 1.63 |
| Clinical services | 500.0 | 1.27 | 382.1 | 1.84 | 301.4 | 1.65 |
| Public service | 217.7 | 0.59 | 160.3 | 0.86 | 152.1 | 0.85 |
| Administration | 690.2 | 1.51 | 533.6 | 2.30 | 405.9 | 1.95 |
| Other | 555.5 | 1.38 | 450.9 | 2.17 | 310.1 | 1.65 |
|  |  |  |  |  |  |  |

[^6]Table B4.6-Standard errors for percentage of full-time faculty who have held a job other than their current once since receiving their highest degree, by faculty seniority, highest degree level, and previous employment sector: Fall 1992

| Degree level |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| and previous | All fa |  | New fa | culty ${ }^{2}$ | Senior fa | ulty ${ }^{2}$ |
| sector | Number | Percent | Number | Percent | Number | Percent |
| All faculty | 11,158.2 | 0.51 | 5,087.4 | 0.90 | 7,646.7 | 0.55 |
| Highest degree ${ }^{3}$ |  |  |  |  |  |  |
| Doctorate ${ }^{4}$ | 9,473.2 | 0.64 | 4,088.3 | 1.25 | 6,648.2 | 0.68 |
| Master's | 3,987.2 | 0.79 | 2,034.2 | 1.43 | 2,839.3 | 0.87 |
|  | Faculty with | revious e | ployment s | nce receiv | eir highes | egree |
| Doctorate ${ }^{4}$ | 3,335.4 | 0.00 | 2,069.9 | 0.00 | 2,133.6 | 0.00 |
| Within academe | 3,051.9 | 0.92 | 1,774.9 | 1.95 | 2,121.2 | 0.56 |
| Outside academe | 2,340.9 | 1.62 | 1,796.9 | 2.39 | 1,240.5 | 1.75 |
| Master's | 1,533.5 | 0.00 | 1,037.1 | 0.00 | 952.5 | 0.00 |
| Within academe | 1,372.2 | 1.35 | 898.0 | 2.31 | 911.3 | 1.14 |
| Outside academe | 1,258.0 | 1.60 | 917.2 | 2.07 | 740.2 | 2.40 |

${ }^{1}$ Includes full-time faculty who reported their principal activity during Fall 1992 was teaching, research, or selected administration activities.
${ }^{2}$ New full-time faculty are defined as having 7 years or less in a full-time faculty position; whereas senior faculty are those who had more than 7 years in a full-time faculty position.
${ }^{3}$ Numbers for highest degree will not add to all faculty because individuals with less than a master's degree are not included.
${ }^{4}$ Included in this category are faculty with a doctorate or a first-professional degree.
NOTE: Details will not add to total because faculty could have had previous employment in more than one sector.
SOURCE: U.S. Department of Education, National Center for Education Statistics, 1993 National Study of Postsecondary Faculty, "Faculty Survey."

Table B5.1—Standard errors for percentage distribution of full-time faculty, by rank, faculty seniority, type and control of institution, and program area: Fall 1992

| Faculty seniority, type and control of institution and program area | Academic rank |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Number | Professor | Associate Professor | Assistant Professor | Instructor | Lecturer | Other | $\begin{array}{r} \text { No } \\ \text { Rank } \end{array}$ |
| All faculty ${ }^{1}$ | 11,158.2 | 0.76 | 0.54 | 0.55 | 0.56 | 0.25 | 0.27 | 0.30 |
| New faculty ${ }^{2}$ | 5,087.4 | 0.85 | 0.74 | 1.07 | 0.91 | 0.41 | 0.64 | 0.29 |
| Senior faculty ${ }^{2}$ | 7,646.7 | 0.90 | 0.70 | 0.52 | 0.55 | 0.21 | 0.17 | 0.35 |
| Type and control |  |  |  |  |  |  |  |  |
| New faculty |  |  |  |  |  |  |  |  |
| All institutions | 5,087.4 | 0.85 | 0.74 | 1.07 | 0.91 | 0.41 | 0.64 | 0.29 |
| All research institutions | 4,588.6 | 2.33 | 1.87 | 2.58 | 0.99 | 1.11 | 1.83 | 0.29 |
| All other doctorate-granting institutions ${ }^{3}$ | 2,352.1 | 1.46 | 1.27 | 2.17 | 2.11 | 0.52 | 0.59 | 0.10 |
| All comprehensive institutions | 1,670.0 | 1.16 | 1.17 | 1.58 | 1.31 | 0.57 | 0.56 | 0.15 |
| Private liberal arts institutions | 874.4 | 1.43 | 1.93 | 2.93 | 2.33 | 1.13 | 1.65 | 0.85 |
| Public 2-year institutions | 1,814.8 | 1.26 | 0.95 | 1.95 | 2.21 | 0.22 | 0.64 | 1.14 |
| All other institutions ${ }^{4}$ | 970.8 | 3.69 | 3.89 | 4.42 | 2.32 | 0.78 | 2.34 | 2.88 |
| Senior faculty |  |  |  |  |  |  |  |  |
| All institutions | 7,646.7 | 0.90 | 0.70 | 0.52 | 0.55 | 0.21 | 0.17 | 0.35 |
| All research institutions | 7,307.7 | 1.90 | 1.63 | 1.01 | 0.35 | 0.69 | 0.45 | 0.19 |
| All other doctorate-granting institutions ${ }^{3}$ | 4,069.7 | 1.87 | 1.78 | 1.28 | 0.93 | 0.37 | 0.37 | 0.10 |
| All comprehensive institutions | 3,279.1 | 1.55 | 1.17 | 0.91 | 0.45 | 0.27 | 0.12 | 0.37 |
| Private liberal arts institutions | 1,111.4 | 2.78 | 2.13 | 2.11 | 1.03 | 0.46 | 0.78 | 1.48 |
| Public 2-year institutions | 2,919.7 | 1.98 | 1.44 | 1.17 | 2.12 | 0.14 | 0.42 | 1.15 |
| All other institutions ${ }^{4}$ | 1,418.1 | 4.27 | 3.54 | 2.41 | 2.79 | 0.31 | 0.71 | 4.22 |
| Program area ${ }^{5}$ |  |  |  |  |  |  |  |  |
| New faculty |  |  |  |  |  |  |  |  |
| All program areas | 4,878.0 | 0.86 | 0.75 | 1.05 | 0.93 | 0.42 | 0.45 | 0.29 |
| Professions | 2,486.9 | 1.22 | 1.18 | 1.64 | 1.41 | 0.86 | 0.63 | 0.35 |
| Business | 846.7 | 1.91 | 2.47 | 3.13 | 2.45 | 0.83 | 1.24 | 1.11 |
| Education | 740.4 | 1.97 | 3.13 | 2.95 | 2.42 | 0.97 | 0.83 | 1.00 |
| Engineering | 924.5 | 2.91 | 3.70 | 4.15 | 3.05 | 0.74 | 1.96 | 0.69 |
| Health sciences | 1,930.8 | 2.12 | 1.60 | 2.93 | 2.61 | 1.85 | 1.01 | 0.29 |

Table B5.1—Standard errors for percentage distribution of full-time faculty, by rank, faculty seniority, type and control of institution, and program area: Fall 1992, continued

| Faculty seniority, type and control of institution and program area | Academic rank |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Associate | Assistant |  |  |  | No |
|  | Number | Professor | Professor | Professor | Instructor | Lecturer | Other | Rank |
| Liberal arts and sciences | 2,825.5 | 0.96 | 1.21 | 1.48 | 1.07 | 0.47 | 0.65 | 0.40 |
| Fine arts | 775.2 | 3.40 | 2.84 | 4.36 | 2.48 | 1.66 | 2.31 | 1.29 |
| Humanities | 945.6 | 1.39 | 1.42 | 2.01 | 2.06 | 1.14 | 0.30 | 0.76 |
| Natural sciences | 1,781.9 | 1.52 | 1.87 | 2.15 | 1.47 | 0.50 | 0.92 | 0.57 |
| Social sciences | 1,237.3 | 2.29 | 2.33 | 3.55 | 1.89 | 1.04 | 2.12 | 0.62 |
| All other program areas | 1,485.6 | 2.02 | 1.44 | 2.57 | 2.32 | 0.89 | 0.90 | 0.66 |
| Senior faculty |  |  |  |  |  |  |  |  |
| All program areas | 7,495.7 | 0.91 | 0.71 | 0.52 | 0.55 | 0.22 | 0.13 | 0.34 |
| Professions | 3,514.5 | 1.32 | 1.33 | 1.00 | 0.80 | 0.24 | 0.22 | 0.29 |
| Business | 1,286.2 | 2.10 | 2.16 | 1.57 | 1.32 | 0.26 | 0.26 | 0.77 |
| Education | 1,276.4 | 2.27 | 2.47 | 1.61 | 1.48 | 0.68 | 0.67 | 0.46 |
| Engineering | 1,246.5 | 3.10 | 3.20 | 1.73 | 1.28 | 0.37 | 0.39 | 0.36 |
| Health sciences | 2,463.1 | 2.23 | 2.19 | 1.90 | 1.35 | 0.40 | 0.35 | 0.42 |
| Liberal arts and sciences | 4,544.3 | 1.07 | 0.83 | 0.56 | 0.56 | 0.35 | 0.18 | 0.47 |
| Fine arts | 1,509.1 | 2.72 | 2.45 | 1.64 | 1.30 | 0.96 | 0.75 | 1.65 |
| Humanities | 1,692.8 | 1.52 | 1.24 | 0.86 | 0.90 | 0.62 | 0.23 | 0.62 |
| Natural sciences | 2,551.7 | 1.66 | 1.29 | 0.78 | 0.85 | 0.42 | 0.28 | 0.60 |
| Social sciences | 1,714.0 | 1.93 | 1.72 | 1.20 | 0.70 | 0.53 | 0.39 | 0.42 |
| All other program areas | 2,257.4 | 2.19 | 1.54 | 1.13 | 1.43 | 0.36 | 0.43 | 0.50 |

[^7]Table B5.2—Standard errors for percentage distribution of full-time faculty, by tenure status, faculty seniority, gender, type and control of institution, and program area: Fall 1992

| Faculty seniority, gender, type and control of institution, and program area | Number | Tenure status |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Tenured |  | Not on tenure track | No tenure for faculty status | No tenure system at institution |
| All faculty ${ }^{1}$ | 11,158.2 | 0.85 | 0.55 | 0.45 | 0.28 | 0.67 |
| New faculty ${ }^{2}$ | 5,087.4 | 0.95 | 1.06 | 0.85 | 0.50 | 0.88 |
| Senior faculty ${ }^{2}$ | 7,646.7 | 0.87 | 0.45 | 0.39 | 0.27 | 0.66 |
| Gender |  |  |  |  |  |  |
| New faculty |  |  |  |  |  |  |
| Male | 3,619.1 | 1.41 | 1.37 | 1.07 | 0.60 | 0.89 |
| Female | 2,330.6 | 1.01 | 1.39 | 1.36 | 0.78 | 1.21 |
| Senior faculty |  |  |  |  |  |  |
| Male | 6,303.2 | 0.88 | 0.50 | 0.40 | 0.28 | 0.61 |
| Female | 2,465.1 | 1.35 | 0.79 | 0.74 | 0.47 | 1.06 |
| Type and control |  |  |  |  |  |  |
| New faculty |  |  |  |  |  |  |
| All institutions | 5,087.4 | 0.95 | 1.06 | 0.85 | 0.50 | 0.88 |
| All research institutions | 4,588.6 | 2.30 | 2.14 | 1.86 | 1.20 | 0.28 |
| Public | 4,260.3 | 2.77 | 2.32 | 2.02 | 1.42 | 0.11 |
| Private | 3,110.4 | 3.82 | 5.00 | 3.51 | 2.11 | 0.95 |
| All other doctorate-granting institutions ${ }^{3}$ | 2,352.1 | 1.71 | 2.47 | 2.61 | 1.21 | 1.02 |
| Public | 1,866.7 | 1.85 | 3.01 | 2.73 | 1.39 | 0.00 |
| Private | 1,431.0 | 3.47 | 4.29 | 5.37 | 2.25 | 2.74 |
| All comprehensive institutions | 1,670.0 | 1.37 | 1.84 | 1.55 | 0.76 | 1.07 |
| Public | 1,426.0 | 1.78 | 2.04 | 1.85 | 0.92 | 0.49 |
| Private | 869.1 | 1.79 | 3.84 | 2.84 | 1.35 | 3.39 |
| Private liberal arts institutions | 874.4 | 2.29 | 3.60 | 2.45 | 1.09 | 4.41 |
| Public 2-year institutions | 1,814.8 | 2.04 | 2.55 | 1.01 | 1.16 | 2.80 |
| All other institutions ${ }^{4}$ | 970.8 | 3.23 | 4.12 | 2.25 | 1.48 | 6.79 |
| Senior faculty |  |  |  |  |  |  |
| All institutions | 7,646.7 | 0.87 | 0.45 | 0.39 | 0.27 | 0.66 |
| All research institutions | 7,307.7 | 1.58 | 0.85 | 1.05 | 0.65 | 0.72 |
| Public | 7,569.3 | 1.65 | 0.99 | 1.15 | 0.59 | 0.25 |
| Private | 3,808.7 | 3.53 | 1.54 | 2.37 | 1.89 | 3.05 |
| All other doctorate-granting institutions ${ }^{3}$ | 4,069.7 | 2.19 | 1.63 | 1.17 | 0.90 | 0.50 |
| Public | 3,451.6 | 1.63 | 1.37 | 1.22 | 0.54 | 0.17 |
| Private | 2,156.1 | 5.67 | 4.08 | 2.57 | 2.46 | 1.52 |
| All comprehensive institutions | 3,279.1 | 1.17 | 0.76 | 0.53 | 0.31 | 0.46 |
| Public | 2,856.5 | 1.24 | 0.92 | 0.55 | 0.39 | 0.13 |
| Private | 1,610.4 | 2.72 | 1.31 | 1.24 | 0.50 | 1.62 |
| Private liberal arts institutions | 1,111.4 | 3.33 | 1.69 | 0.91 | 0.96 | 2.83 |
| Public 2-year institutions | 2,919.7 | 2.26 | 0.77 | 0.41 | 0.48 | 2.17 |
| All other institutions ${ }^{4}$ | 1,418.1 | 6.23 | 2.18 | 1.75 | 1.29 | 6.98 |

Table B5.2—Standard errors for percentage distribution of full-time faculty, by tenure status, faculty seniority, gender, type and control of institution, and program area: Fall 1992, continued

| Faculty seniority, gender, type and control of institution, and program area | Number | Tenure status |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Tenured | tenure <br> track | Not on tenure track | No tenure for faculty status | No tenure system at institution |
| Program area ${ }^{5}$ |  |  |  |  |  |  |
| New faculty |  |  |  |  |  |  |
| All program areas | 4,878.0 | 0.97 | 1.07 | 0.84 | 0.44 | 0.90 |
| Professions | 2,486.9 | 1.41 | 1.61 | 1.54 | 0.72 | 1.27 |
| Business | 846.7 | 2.30 | 3.11 | 2.12 | 1.34 | 2.26 |
| Education | 740.4 | 3.04 | 3.09 | 2.13 | 1.65 | 1.83 |
| Engineering | 924.5 | 4.13 | 4.22 | 2.44 | 1.56 | 2.50 |
| Health sciences | 1,930.8 | 2.40 | 2.66 | 3.01 | 1.29 | 1.98 |
| Liberal arts and sciences | 2,825.5 | 1.28 | 1.47 | 0.96 | 0.51 | 1.04 |
| Fine arts | 775.2 | 3.15 | 4.40 | 2.44 | 1.30 | 5.13 |
| Humanities | 945.6 | 1.83 | 2.05 | 1.64 | 1.08 | 1.62 |
| Natural sciences | 1,781.9 | 2.01 | 2.18 | 1.51 | 0.94 | 1.01 |
| Social sciences | 1,237.3 | 2.66 | 3.51 | 2.41 | 0.82 | 1.47 |
| All other program areas | 1,485.6 | 2.57 | 2.68 | 1.41 | 1.35 | 1.58 |
| Senior faculty |  |  |  |  |  |  |
| All program areas | 7,495.7 | 0.87 | 0.47 | 0.38 | 0.25 | 0.66 |
| Professions | 3,514.5 | 1.33 | 0.87 | 0.90 | 0.35 | 0.94 |
| Business | 1,286.2 | 1.84 | 1.34 | 0.80 | 0.76 | 1.25 |
| Education | 1,276.4 | 1.85 | 1.34 | 1.27 | 0.62 | 0.97 |
| Engineering | 1,246.5 | 2.41 | 1.89 | 0.79 | 0.55 | 1.57 |
| Health sciences | 2,463.1 | 2.54 | 1.64 | 1.92 | 0.70 | 1.87 |
| Liberal arts and sciences | 4,544.3 | 1.01 | 0.49 | 0.40 | 0.34 | 0.74 |
| Fine arts | 1,509.1 | 3.33 | 1.56 | 1.08 | 0.71 | 3.09 |
| Humanities | 1,692.8 | 1.40 | 0.63 | 0.62 | 0.63 | 0.95 |
| Natural sciences | 2,551.7 | 1.30 | 0.91 | 0.60 | 0.56 | 0.72 |
| Social sciences | 1,714.0 | 1.38 | 0.88 | 0.66 | 0.57 | 0.79 |
| All other program areas | 2,257.4 | 1.65 | 1.12 | 0.83 | 0.61 | 1.10 |

[^8]Table B5.3-Standard errors for percentage of full-time faculty satisfied with selected job dimensions, by faculty seniority, gender, and type and control of institution: Fall 1992

| Faculty seniority, gender, and type and control of institution | Percentage of faculty somewhat or very satisfied with each of the following items: |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Workload | $\begin{gathered} \text { Job } \\ \text { security } \\ \hline \end{gathered}$ | Advancement opportunities | Keeping current in field | Freedom for outside consulting | Salary | Benefits | Spouse employment |
| All faculty ${ }^{1}$ | 0.51 | 0.47 | 0.58 | 0.57 | 0.46 | 0.77 | 0.74 | 0.53 |
| New faculty ${ }^{2}$ | 0.90 | 0.84 | 0.88 | 0.87 | 0.75 | 1.13 | 0.94 | 0.84 |
| Senior faculty ${ }^{2}$ | 0.67 | 0.50 | 0.66 | 0.71 | 0.53 | 0.86 | 0.81 | 0.63 |
| Gender |  |  |  |  |  |  |  |  |
| New faculty |  |  |  |  |  |  |  |  |
| Male | 1.27 | 1.16 | 1.14 | 1.17 | 0.99 | 1.46 | 1.23 | 1.30 |
| Female | 1.25 | 1.23 | 1.32 | 1.32 | 1.03 | 1.36 | 1.19 | 1.06 |
| Senior faculty |  |  |  |  |  |  |  |  |
| Male | 0.79 | 0.56 | 0.79 | 0.84 | 0.62 | 0.97 | 0.92 | 0.77 |
| Female | 1.03 | 0.86 | 1.02 | 1.05 | 0.89 | 1.22 | 1.04 | 0.85 |
| Type and control |  |  |  |  |  |  |  |  |
| New faculty |  |  |  |  |  |  |  |  |
| All institutions | 0.90 | 0.84 | 0.88 | 0.87 | 0.75 | 1.13 | 0.94 | 0.84 |
| All research institutions | 2.16 | 1.79 | 2.05 | 1.77 | 1.76 | 2.76 | 2.24 | 2.02 |
| All other doctorate-granting institutions ${ }^{3}$ | 2.14 | 2.04 | 2.12 | 2.02 | 1.82 | 2.32 | 2.08 | 2.01 |
| All comprehensive institutions | 1.47 | 1.51 | 1.58 | 1.61 | 1.17 | 1.74 | 1.60 | 1.32 |
| Private liberal arts institutions | 2.89 | 2.96 | 2.06 | 2.39 | 2.38 | 3.52 | 3.09 | 2.82 |
| Public 2-year institutions | 1.69 | 1.55 | 1.85 | 2.16 | 1.61 | 2.17 | 1.37 | 1.47 |
| All other institutions ${ }^{4}$ | 2.89 | 4.43 | 2.97 | 2.83 | 3.05 | 4.46 | 4.71 | 3.19 |
| Senior faculty |  |  |  |  |  |  |  |  |
| All institutions | 0.67 | 0.50 | 0.66 | 0.71 | 0.53 | 0.86 | 0.81 | 0.63 |
| All research institutions | 1.44 | 1.16 | 1.51 | 1.53 | 1.20 | 1.95 | 2.21 | 1.60 |
| All other doctorate-granting institutions ${ }^{3}$ | 1.31 | 1.23 | 1.59 | 1.63 | 1.36 | 2.29 | 1.83 | 1.42 |
| All comprehensive institutions | 1.27 | 0.80 | 1.10 | 1.17 | 0.87 | 1.58 | 1.26 | 1.11 |
| Private liberal arts institutions | 1.86 | 2.07 | 2.06 | 2.53 | 1.64 | 2.72 | 2.52 | 2.07 |
| Public 2-year institutions | 1.35 | 0.86 | 1.46 | 1.31 | 0.92 | 1.67 | 1.11 | 1.00 |
| All other institutions ${ }^{4}$ | 3.27 | 3.42 | 3.08 | 3.60 | 2.81 | 3.92 | 4.38 | 3.52 |

${ }^{1}$ Includes full-time faculty who reported their principal activity during Fall 1992 was teaching, research, or selected administration activities.
${ }^{2}$ New full-time faculty are defined as having 7 years or less in a full-time faculty position; whereas senior faculty are those
who had more than 7 years in a full-time faculty position.
${ }^{3}$ Includes medical schools.
${ }^{4}$ Includes public liberal arts, private 2-year, and other specialized institutions except medical schools.
NOTE: Details may not add to total because of rounding.
SOURCE: U.S. Department of Education, National Center for Education Statistics, 1993 National Study of Postsecondary Faculty, "Faculty Survey."

Table B5.4-Standard errors for percentage of full-time faculty satisfied with selected career dimensions, by faculty seniority, gender, type and control of institution, and program area: Fall 1992

| Faculty seniority, <br> gender, type and control <br> of institution, and program area | Percentage of faculty <br> who would <br> choose an academic <br> career again | Percentage of faculty <br> satisfied with <br> overall job $^{2}$ |
| :--- | ---: | ---: |
| All faculty $^{3}$ | 0.31 | 0.43 |
| New faculty $^{4}$ | 0.57 | 0.70 |
| Senior faculty ${ }^{4}$ | 0.36 | 0.49 |
| Gender |  |  |
| New faculty | 0.78 |  |
| Male | 0.77 | 0.95 |
| Female |  | 1.01 |
| Senior faculty | 0.42 |  |
| Male | 0.65 | 0.56 |
| Female |  | 0.84 |
| Type and control | 0.57 |  |
| New faculty | 1.43 | 0.70 |
| All institutions | 1.21 | 1.60 |
| All research institutions | 0.98 | 1.92 |
| All other doctorate-granting institutions ${ }^{5}$ | 1.72 | 1.16 |
| All comprehensive institutions | 1.01 | 2.37 |
| Private liberal arts institutions | 1.81 | 1.09 |
| Public 2-year institutions |  | 3.09 |
| All other institutions ${ }^{6}$ | 0.36 |  |
| Senior faculty | 0.78 | 0.49 |
| All institutions | 0.88 | 1.22 |
| All research institutions | 0.59 | 1.28 |
| All other doctorate-granting institutions ${ }^{5}$ | 1.42 | 0.82 |
| All comprehensive institutions | 0.80 | 1.78 |
| Private liberal arts institutions | 1.67 | 0.71 |
| Public 2-year institutions |  | 2.60 |
| All other institutions ${ }^{6}$ |  |  |
|  |  |  |

Table B5.4-Standard errors for percentage of full-time faculty satisfied with selected career dimensions, by faculty seniority, gender, type and control of institution, and program area: Fall 1992, continued
$\left.\begin{array}{lrr}\hline \begin{array}{l}\text { Faculty seniority, } \\ \text { gender, type and control } \\ \text { of institution, and program area }\end{array} & \begin{array}{r}\text { Percentage of faculty } \\ \text { who would }\end{array} & \begin{array}{r}\text { Percentage of faculty } \\ \text { satisfied with } \\ \text { overall job }^{2}\end{array} \\ \hline \text { choose an academic } \\ \text { career again }{ }^{1}\end{array}\right]$

[^9]
## Appendix C: References

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Appendix D:

1993 NSOPF Faculty Questionnaire

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[^0]:    ${ }^{1}$ Includes full-time faculty who reported their principal activity during Fall 1992 was teaching, research, or selected administration activities.
    ${ }^{2}$ New full-time faculty are defined as having 7 years or less in a full-time faculty position; whereas senior faculty are those who had more than 7 years in a full-time faculty position.
    ${ }^{3}$ Includes medical schools.
    ${ }^{4}$ Includes public liberal arts, private 2-year, and other specialized institutions except medical schools.
    NOTE: Details may not add to total because of rounding.
    SOURCE: U.S. Department of Education, National Center for Education Statistics, 1993 National Study of Postsecondary Faculty,
    "Faculty Survey."

[^1]:    ${ }^{1}$ Includes full-time faculty who reported their principal activity during Fall 1992 was teaching, research, or selected administration activities.
    ${ }^{2}$ New full-time faculty are defined as having 7 years or less in a full-time faculty position; whereas senior faculty are those who had more than 7 years in a full-time faculty position.
    NOTE: Details may not add to total because of rounding.
    SOURCE: U.S. Department of Education, National Center for Education Statistics, 1993 National Study of Postsecondary Faculty, "Faculty Survey."

[^2]:    ${ }^{1}$ Includes full-time faculty who reported their principal activity during Fall 1992 was teaching, research, or selected administration activities.
    ${ }^{2}$ New full-time faculty are defined as having 7 years or less in a full-time faculty position; whereas senior faculty are those who had more than 7 years in a full-time faculty position.
    ${ }^{3}$ Includes medical schools.
    ${ }^{4}$ Includes public liberal arts, private 2-year, and other specialized institutions except medical schools.
    NOTE: Details may not add to total because of rounding.
    SOURCE: U.S. Department of Education, National Center for Education Statistics, 1993 National Study of Postsecondary Faculty, "Faculty Survey."

[^3]:    ${ }^{1}$ Includes full-time faculty who reported their principal activity during Fall 1992 was teaching, research, or selected administration activities.
    ${ }^{2}$ New full-time faculty are defined as having 7 years or less in a full-time faculty position; whereas senior faculty are those who had more than 7 years in a full-time faculty position.
    ${ }^{3}$ Includes medical schools.
    ${ }^{4}$ Includes public liberal arts, private 2-year, and other specialized institutions except medical schools.
    ${ }^{5}$ The numbers for program area differ slightly from those for other variables (i.e., type and control of institution) because some faculty did not report a principal area of teaching.
    NOTE: Details may not add to total because of rounding.
    SOURCE: U.S. Department of Education, National Center for Education Statistics, 1993 National Study of Postsecondary Faculty, "Faculty Survey."

[^4]:    ${ }^{1}$ Includes full-time faculty who reported their principal activity during Fall 1992 was teaching, research, or selected administration activities.
    ${ }^{2}$ New full-time faculty are defined as having 7 years or less in a full-time faculty position; whereas senior faculty are those who had more than 7 years in a full-time faculty position.
    NOTE: Details may not add to total because of rounding.
    SOURCE: U.S. Department of Education, National Center for Education Statistics, 1993 National Study of Postsecondary Faculty, "Faculty Survey."

[^5]:    ${ }^{1}$ Includes full-time faculty who reported their principal activity during Fall 1992 was teaching, research, or selected administration activities.
    ${ }^{2}$ New full-time faculty are defined as having 7 years or less in a full-time faculty position; whereas senior faculty are those who had more than 7 years in a full-time faculty position.
    NOTE: Percents shown for a specific responsibility represent the percentage of faculty with previous employment in a full-time position during the past 15 years who had previous employment with that specific responsibility. Details will not add to total because faculty could have had multiple employments with different primary responsibilities.
    SOURCE: U.S. Department of Education, National Center for Education Statistics, 1993 National Study of Postsecondary Faculty, "Faculty Survey."

[^6]:    ${ }^{1}$ Includes full-time faculty who reported their principal activity during Fall 1992 was teaching, research, or selected administration activities.
    ${ }^{2}$ New full-time faculty are defined as having 7 years or less in a full-time faculty position; whereas senior faculty are those who had more than 7 years in a full-time faculty position.
    ${ }^{3}$ Numbers for highest degree will not add to all faculty because individuals with less than a master's degree are not included.
    ${ }^{4}$ Included in this category are faculty with a doctorate or a first-professional degree.
    NOTE: Details will not add to total because faculty could have had multiple employments with different primary responsibilities.
    SOURCE: U.S. Department of Education, National Center for Education Statistics, 1993 National Study of Postsecondary Faculty, "Faculty Survey."

[^7]:    ${ }^{1}$ Includes full-time faculty who reported their principal activity during Fall 1992 was teaching, research, or selected administration activities.
    ${ }^{2}$ New full-time faculty are defined as having 7 years or less in a full-time faculty position; whereas senior faculty are those who had more than 7 years in a full-time faculty position.
    ${ }^{3}$ Includes medical schools.
    ${ }^{4}$ Includes public liberal arts, private 2-year, and other specialized institutions except medical schools.
    ${ }^{5}$ The numbers for program area differ slightly from those for other variables (i.e., type and control of institution) because some faculty did not report a principal area of teaching.
    NOTE: Details may not add to total because of rounding.
    SOURCE: U.S. Department of Education, National Center for Education Statistics, 1993 National Study of Postsecondary Faculty,
    "Faculty Survey."

[^8]:    ${ }^{1}$ Includes full-time faculty who reported their principal activity during Fall 1992 was teaching, research, or selected administration activities.
    ${ }^{2}$ New full-time faculty are defined as having 7 years or less in a full-time faculty position; whereas senior faculty are those who had more than 7 years in a full-time faculty position.
    ${ }^{3}$ Includes medical schools.
    ${ }^{4}$ Includes public liberal arts, private 2-year, and other specialized institutions except medical schools.
    ${ }^{5}$ The numbers for program area differ slightly from those for other variables (i.e., type and control of institution) because some faculty did not report a principal area of teaching.
    NOTE: Details may not add to total because of rounding.
    SOURCE: U.S. Department of Education, National Center for Education Statistics, 1993 National Study of Postsecondary Faculty, "Faculty Survey."

[^9]:    ${ }^{1}$ Percentage of faculty who somewhat or strongly agreed with the following statement: "If I had it to do over again, I would still choose an academic career."
    ${ }^{2}$ Percentage of faculty who were somewhat or very satisfied with: "My job here, overall."
    ${ }^{3}$ Includes full-time faculty who reported their principal activity during Fall 1992 was teaching, research, or selected administration activities.
    ${ }^{4}$ New full-time faculty are defined as having 7 years or less in a full-time faculty position; whereas senior faculty are those who had more than 7 years in a full-time faculty position.
    ${ }^{5}$ Includes medical schools.
    ${ }^{6}$ Includes public liberal arts, private 2-year, and other specialized institutions except medical schools.
    ${ }^{7}$ The numbers for program area differ slightly from those for other variables (i.e., type and control of institution) because some faculty did not report a principal area of teaching.
    NOTE: Details may not add to total because of rounding.
    SOURCE: U.S. Department of Education, National Center for Education Statistics, 1993 National Study of Postsecondary Faculty, "Faculty Survey."

