This chapter contains 13 tables and accompanying figures. It presents data on four-year college and university faculty according to the highest mathematics degree awarded by the institution ( $\mathrm{PhD}, \mathrm{MA}$, or BA ) and disciplines (mathematics, statistics, and computer science) covered by the report. It includes data on the size of the full-time and part-time faculty and number of graduate teaching assistants along with the number and percent of sections taught by each group. The tenure and doctoral-holding status of full-time faculty are given in addition to age, gender, racial/ethnic distributions, average contact hours per week, and death/retirement figures.

A fairly large minority of mathematics department faculty taught computer science courses either exclusively or together with mathematics teaching. The size of the mathematics faculty increased modestly, but computer science showed a large increase. The percent of mathematics faculty with tenure remained at the 1985 level, while the percent tenured in statistics and computer science increased. As might be expected, the percent of doctoral faculty was largest for PhD universities, and lowest for four-year colleges. Part-time faculty and graduate teaching assistants continued to teach a significant percent of classes, with the percent highest in PhD mathematics departments.

For information on four-year college and university mathematics see
Tables F.1, F.2, F.3, F.4, F.5, F.6, F.7, F.10, F.13.
For information on four-year college and university statistics see
Tables F.1, F.2, F.3, F.4, F.5, F.6, F.8, Ell, F.13.
For information on four-year college and university computer science see
Tables F.1, F.2, F.3, F.4, F.5, F.6, F.9, F.12, F.13.

TABLE F. 1 Number of full-time faculty in four-year college and university Departments of Mathematics, Statistics and Computer Science by instructional responsibilities and type of school; also average number of faculty per department: Fall 1990.

Number of faculty teaching:

|  | Math/ Stat only | CS only | Math/ Stat and CS | TOTAL Faculty | No. of Depts | Ave. no. faculty/ dept |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Math Depts Univ(PhD) | 6134 | 128 | 165 | 6427 | 165 | 39 |
| Univ(MA) | 4156 | 468 | 434 | 5058 | 236 | 21 |
| College(BA) | 5800 | 896 | 1230 | 7926 | 1020 | 7 |
| TOTAL MATH | 16090 | 1492 | 1829 | 19411 | 1421 | 14 |
| Stat Depts Univ(PhD) | 668 | 0 | 0 | 668 | 53 | 13 |
| Univ(MA) | 53 | 0 | 0 | 53 | 5 | 11 |
| College(BA) | 14 | 0 | 0 | 14 | 2 | 7 |
| TOTAL STAT | 735 | 0 | 0 | 735 | 60 | 12 |
| CS Dept |  |  |  |  |  |  |
| Univ(PhD) | 4 | 2736 | 6 | 2746 | 136 | 20 |
| Univ(MA) | 0 | 1405 | 3 | 1408 | 105 | 13 |
| College(BA) | 0 | 1164 | 0 | 1164 | 238 | 5 |
| TOTAL CS | 4 | 5305 | 9 | 5318 | 479 | 11 |
| GRAND TOTAL | 16829 | 6797 | 1838 | 25464 | 1960 |  |



FIGURE F.1.1 Type of instructional responsibility of full-time faculty in four-year college and university Departments of Mathematics: Fall 1990.


FIGURE F.1.2 Average number of full-time faculty in four-year college and university Departments of Mathematics, Statistics and Computer Science by type of school: Fall 1990.

TABLE EI Again we emphasize that the number of full-time faculty is by actual count not full-time equivalents. In MA and BA mathematics departments there was a large fraction of facultyteaching computer science courses. By way of comparison, assuming that those faculty teaching both computer science and mathematics/statistics courses divide their teaching evenly between the disciplines, then the computer science teaching faculty was $16 \%$ of the total MA mathematics faculty and $26 \%$ of the total BA mathematics faculty. From Table E.1, computer science course enrollment stood at $11 \%$ of the total enrollment for MA schools and $16 \%$ for BA schools.

TABLE F. 2 Tenure status of full-time faculty in four-year college and university Departments of Mathematics, Statistics and Computer Science by type of school for Fall 1990. Available data for 1975, 1980 and 1985 also given.

|  | $\begin{array}{\|c} \text { Tenured } \\ 1975 \end{array}$ | Tenured 1980 | Tenured 1985 | $\begin{gathered} \text { Tenured } \\ 1990 \end{gathered}$ | $\begin{gathered} \text { No. } \\ \text { tenured } \\ 1990 \end{gathered}$ | No. untenured 1990 | TOTAL faculty 1990 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Math Depts |  |  |  |  |  |  |  |
| Univ(PhD) |  |  |  | 74\% | 4781 | 1646 | 6427 |
| Univ(MA) |  |  |  | 61\% | 3079 | 1979 | 5058 |
| Univ(BA) |  |  |  | 61\% | 4828 | 3098 | 7926 |
| TOTAL MATH | 73\% | 72\% | 65\% | 65\% | 12688 | 6723 | 19411 |
| Stat Depts |  |  |  |  |  |  |  |
| Univ(PhD) |  |  |  | 72\% | 484 | 184 | 668 |
| Univ(MA) |  |  |  | 75\% | 40 | 13 | 53 |
| Univ(BA) |  |  |  | 29\% | 4 | 10 | 14 |
| TOTAL STAT | 71\% | 62\% | 68\% | 72\% | 528 | 207 | 735 |
| CS Depts. |  |  |  |  |  |  |  |
| Univ(PhD) |  |  |  | 54\% | 1495 | 1251 | 2746 |
| Univ(MA) |  |  |  | 52\% | 732 | 676 | 1408 |
| Univ(BA) |  |  |  | 50\% | 583 | 581 | 1164 |
| TOTAL CS | 65\% | 51\% | 42\% | 53\% | 2810 | 2508 | 5318 |



TABLE E2 It is perhaps a surprise that although the average age of mathematics faculty increased (see Table F.4) the percent of tenured faculty is the same (65\%) as in 1985. Both statistics and computer science showed an increase in the percent of tenured faculty over 1985 figures.

FIGURE F.2.1 Fraction of full-time faculty in four-year college and university Departments of Mathematics, Statistics and Computer Science tenured and untenured by type of school: Fall 1990.

TABLE F. 3 Gender and Racial/Ethnic groups among full-time faculty in four-year college and university Departments of Mathematics, Statistics and Computer Science for Fall 1990 and among new PhDs from U.S. Departments of Mathematics and Statistics for 1980-1990.

|  | Full- <br> time <br> faculty |  | Women <br> among <br> Women <br> faculty $<35$ | Amer. <br> Indian/ <br> Alaskan | Asian/ <br> Pacific <br> Islander | Black, <br> not <br> Hispanic | Whispanic <br> not |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Math Dept |  |  |  |  |  |  |  |  |
| Univ(PhD) | 6427 | $10.3 \%$ | $18.2 \%$ | $0.2 \%$ | $8.1 \%$ | $1.0 \%$ | $2.0 \%$ | $88.8 \%$ |
| Univ(MA) | 5058 | $22.7 \%$ | $34.1 \%$ | $0.0 \%$ | $9.6 \%$ | $3.5 \%$ | $1.1 \%$ | $85.8 \%$ |
| College(BA) | 7926 | $25.8 \%$ | $25.3 \%$ | $0.0 \%$ | $6.6 \%$ | $3.1 \%$ | $0.5 \%$ | $89.8 \%$ |
| OVERALL MATH | 19411 | $19.8 \%$ | $25.2 \%$ | $0.1 \%$ | $7.9 \%$ | $2.5 \%$ | $1.1 \%$ | $88.4 \%$ |
| Stat Dept |  |  |  |  |  |  |  |  |
| Univ(PhD) | 668 | $13.6 \%$ | $24.7 \%$ | $0.3 \%$ | $21.5 \%$ | $0.3 \%$ | $2.4 \%$ | $75.6 \%$ |
| Univ(MA) | 53 | $22.6 \%$ | $0.0 \%$ | $0.0 \%$ | $3.7 \%$ | $0.0 \%$ | $0.0 \%$ | $96.3 \%$ |
| College(BA) | 14 | $14.3 \%$ | $0.0 \%$ | $0.0 \%$ | $0.0 \%$ | $0.0 \%$ | $0.0 \%$ | $100.0 \%$ |
| OVERALL STAT | 735 | $14.3 \%$ | $23.5 \%$ | $0.3 \%$ | $19.8 \%$ | $0.3 \%$ | $2.1 \%$ | $77.5 \%$ |
| CS Dept |  |  |  |  |  |  |  |  |
| Univ(PhD) | 2746 | $11.1 \%$ | $10.3 \%$ | $0.0 \%$ | $16.1 \%$ | $0.3 \%$ | $1.5 \%$ | $82.0 \%$ |
| Univ(MA) | 1408 | $17.1 \%$ | $17.5 \%$ | $0.5 \%$ | $16.5 \%$ | $4.8 \%$ | $2.4 \%$ | $75.9 \%$ |
| College(BA) | 1164 | $28.1 \%$ | $16.4 \%$ | $0.0 \%$ | $6.4 \%$ | $0.0 \%$ | $0.0 \%$ | $93.5 \%$ |
| OVERALL CS | 5318 | $16.4 \%$ | $12.4 \%$ | $0.1 \%$ | $14.0 \%$ | $1.4 \%$ | $1.4 \%$ | $83.1 \%$ |
| PhD Grads from | New |  |  |  |  |  |  |  |
| U.S. Math and Stat | Grads | $17.0 \%$ | na | $0.2 \%$ | $23.1 \%$ | $1.5 \%$ | $2.1 \%$ | $73.1 \%$ |
| Depts 1980-1990 | 8201 |  |  |  |  |  |  |  |



FIGURE F.3.1 Percent women among full-time faculty and among full-time faculty aged 34 or less in four-year college and university Departments of Mathematics: Fall 1990.

TABLE E3 Minorities, except for Asian/ Pacific Islanders, remain underrepresented among PhD graduates in the mathematical sciences. While women have received $17 \%$ of the mathematical sciences PhDs granted in the 80's, they are almost $20 \%$ of the faculty. Almost all traditionally Black universities and colleges are in the MA and BA categories.

TABLE F. 4 Age distribution of full-time faculty in four-year college and university Departments of Mathematics, Statistics and Computer Science by type of school: Fall 1990.

|  | $<30$ | $30-34$ | $35-39$ | $40-44$ | $45-49$ | $50-54$ | $55-59$ | $60-66$ | $>66$ | FACULTY Ave age |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Math Depts |  |  |  |  |  |  |  |  |  |  |  |
| Univ(PhD) | $6 \%$ | $12 \%$ | $13 \%$ | $13 \%$ | $15 \%$ | $17 \%$ | $12 \%$ | $10 \%$ | $2 \%$ | 6427 | 46.5 |
| Univ(MA) | $6 \%$ | $11 \%$ | $12 \%$ | $15 \%$ | $16 \%$ | $21 \%$ | $12 \%$ | $6 \%$ | $1 \%$ | 5058 | 45.1 |
| Coll(BA) | $8 \%$ | $14 \%$ | $14 \%$ | $16 \%$ | $18 \%$ | $13 \%$ | $8 \%$ | $9 \%$ | $0 \%$ | 7926 | 44.5 |
| ALL MATH | $7 \%$ | $12 \%$ | $14 \%$ | $15 \%$ | $16 \%$ | $16 \%$ | $10 \%$ | $9 \%$ | $1 \%$ | 19411 | 45.6 |
| Stat Depts |  |  |  |  |  |  |  |  |  |  |  |
| Univ(PhD) | $6 \%$ | $16 \%$ | $16 \%$ | $17 \%$ | $12 \%$ | $10 \%$ | $12 \%$ | $9 \%$ | $2 \%$ | 668 | 44.6 |
| Univ(MA) | $6 \%$ | $10 \%$ | $19 \%$ | $15 \%$ | $28 \%$ | $9 \%$ | $9 \%$ | $4 \%$ | $0 \%$ | 53 | 43.3 |
| Coll(BA) | $0 \%$ | $0 \%$ | $0 \%$ | $0 \%$ | $57 \%$ | $0 \%$ | $14 \%$ | $29 \%$ | $0 \%$ | 14 | 53 |
| ALL STAT | $6 \%$ | $15 \%$ | $16 \%$ | $16 \%$ | $14 \%$ | $10 \%$ | $12 \%$ | $9 \%$ | $2 \%$ | 735 | 44.8 |
| CS Depts |  |  |  |  |  |  |  |  |  |  |  |
| Univ(PhD) | $13 \%$ | $16 \%$ | $21 \%$ | $17 \%$ | $13 \%$ | $11 \%$ | $4 \%$ | $4 \%$ | $1 \%$ | 2746 | 41.2 |
| Univ(MA) | $5 \%$ | $14 \%$ | $13 \%$ | $20 \%$ | $22 \%$ | $15 \%$ | $8 \%$ | $3 \%$ | $0 \%$ | 1408 | 43.6 |
| Coll(BA) | $4 \%$ | $9 \%$ | $33 \%$ | $4 \%$ | $15 \%$ | $31 \%$ | $3 \%$ | $1 \%$ | $0 \%$ | 1164 | 42.8 |
| ALL CS | $9 \%$ | $14 \%$ | $22 \%$ | $15 \%$ | $16 \%$ | $16 \%$ | $5 \%$ | $3 \%$ | $0 \%$ | 5318 | 41.9 |



FIGURE F.4.1 Age distribution of full-time faculty in four-year college and university Departments of Mathematics: Fall 1990.


FIGURE F.4.2 Age distribution of full-time faculty in four-year college and university Departments of Statistics: Fall 1990.


FIGURE F.4.3 Age distribution of full-time faculty in four-year college and university Departments of Computer Science: Fall 1990.

TABLE F. 5 Deaths and retirements of full-time faculty from four-year college and university Departments of Mathematics, Statistics and Computer Science from Sept. 1, 1989 to Aug. 31, 1990 given as a percent of full-time faculty. Historical data is included when available.

|  | $1979-80$ | $1984-85$ | $1989-90$ | Number of full- <br> time faculty 1990 |
| :--- | :---: | :---: | :---: | :---: |
| Math Dept |  |  |  |  |
| Univ(PhD) | - | - | $2.1 \%$ | 6427 |
| Univ(MA) | - | - | $1.3 \%$ | 5058 |
| Univ(BA) | - | - | $1.5 \%$ | 7926 |
| OVERALL MATH | $0.9 \%$ | $1.2 \%$ | $1.6 \%$ | 19411 |
| $\quad$ Stat Dept |  |  |  |  |
| OVERALL STAT | - | - | $2.3 \%$ | 735 |
| $\quad$ CS Dept |  |  |  |  |
| $\quad$ OVERALL CS | - | - | $0.8 \%$ | 5318 |

TABLE E5 If the percent of retirements and deaths for mathematics departments continues to follow the growth pattern of the last ten years, in 1995 the number of such deaths or retirements will exceed 400 per year.

TABLE F. 6 Percent of departments having various weekly loads in classroom contact hours for full-time faculty in four-year college and university Departments of Mathematics, Statistics and Computer Science by type of school: Fall 1990.

|  | Number of <br> schools | $<6$ hrs | 6 hrs | Contact hours |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |
| Math depts |  | $15 \%$ | $46 \%$ | $24 \%$ | $13 \%$ | $0 \%$ | $2 \%$ |
| Univ(PhD) | 165 | 11 hrs | 12 hrs | $>12$ hrs |  |  |  |
| Univ(MA) | 236 | $3 \%$ | $5 \%$ | $6 \%$ | $34 \%$ | $38 \%$ | $14 \%$ |
| College(BA) | 1020 | $3 \%$ | $2 \%$ | $7 \%$ | $26 \%$ | $37 \%$ | $25 \%$ |
| Stat depts |  |  |  |  |  |  |  |
| Univ(PhD) | 53 | $23 \%$ | $77 \%$ | $0 \%$ | $0 \%$ | $0 \%$ | $0 \%$ |
| Univ(MA) | 5 | $0 \%$ | $0 \%$ | $67 \%$ | $33 \%$ | $0 \%$ | $0 \%$ |
| College(BA) | 2 | $0 \%$ | $0 \%$ | $0 \%$ | $0 \%$ | $100 \%$ | $0 \%$ |
| CSdepts |  |  |  |  |  |  |  |
| Univ(PhD) | 136 | $44 \%$ | $44 \%$ | $7 \%$ | $2 \%$ | $0 \%$ | $3 \%$ |
| Univ(MA) | 107 | $0 \%$ | $15 \%$ | $15 \%$ | $34 \%$ | $30 \%$ | $6 \%$ |
| College(BA) | 240 | $10 \%$ | $0 \%$ | $0 \%$ | $31 \%$ | $26 \%$ | $33 \%$ |

TABLE E6 Full-time faculty in university mathematics departments continued to have more classroom contact hours than their counterparts in statistics and computer science, except at the college level where the patterns were similar.



TABLE F. 7 Full-time faculty in four-year college and university Departments of Mathematics by highest degree and type of school: Fall 1990.

|  |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: |
|  | Univ <br> (PhD) | Univ <br> (MA) | College <br> (BA) | TOTAL |
| Doctoral <br> degree | 6058 | 3620 | 5285 | 14963 |
| Other | $34 \%)$ | $(72 \%)$ | $(66 \%)$ | $(77 \%)$ |
| degree | $(6 \%)$ | 1438 | 2641 | 4448 |
| TOTAL | 6427 | 5058 | 7926 | 19411 |

TABLEE7 In 1970, the number of doctoral-holding faculty in private college departments of mathematics was $42 \%$ of the total. While this survey organizes insitutions by highest mathematics degree awarded, there is a reasonable fit between BA departments of mathematics and private college departments. The 1990 percent of $66 \%$ doctorates in BA colleges indicates a substantial upgrading of the educational level of this faculty over the last 20 years.

TABLE F. 8 Full-time faculty in four-year college and university Departments of Statistics by highest degree and type of school: Fall 1990.

| Univ <br> (PhD) |  |  |  | Univ <br> (MA) |
| :--- | :---: | :---: | :---: | :---: |
| College <br> (BA) |  | TOTAL |  |  |
| Doctoral | 650 | 50 | 6 | 706 |
| degree | $(97 \%)$ | $(94 \%)$ | $(43 \%)$ | $(96 \%)$ |
| Other | 18 | 3 | 8 | 29 |
| degree | $(3 \%)$ | $(6 \%)$ | $(57 \%)$ | $(4 \%)$ |
| TOTAL | 668 | 53 | 14 | 735 |

TABLE F. 9 Full-time faculty in four-year college and university Departments of Computer Science by highest degree and type of school: Fall 1990.

| Univ <br> (PhD) |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: |
| Univ <br> (MA) | College <br> (BA) | TOTAL |  |  |
| Doctoral | 2595 | 984 | 610 | 4189 |
| degree | $(95 \%)$ | $(70 \%)$ | $(52 \%)$ | $(79 \%)$ |
| Other | 131 | 424 | 554 | 1129 |
| degree | $(5 \%)$ | $(30 \%)$ | $(48 \%)$ | $(21 \%)$ |
| TOTAL | 2746 | 1408 | 1164 | 5318 |

TABLE F. 10 Percent of sections taught by full-time and part-time faculty and graduate teaching assistants in four-year college and university Departments of Mathematics by type of school: Fall 1990.

|  | Univ(PhD) | Univ(MA) | College(BA) | TOTAL |
| :--- | :---: | :---: | :---: | :---: |
| Total number of sections <br> Percent taught by full-time <br> faculty | 19012 | 18802 | 29284 | 67098 |
| Percent taught by part-time <br> faculty | $12 \%$ | $76 \%$ | $82 \%$ | $75 \%$ |
| Percent taught by graduate <br> TAs | $25 \%$ | $6 \%$ | $18 \%$ | $0 \%$ |



FIGURE F.10.1 Percent of sections taught by full-time and part-time faculty and graduate teaching assistants in four-year college and university Departments of Mathematics by type of school: Fall 1990.

TABLE E10 This table gives an analysis of the instructional impact of part-time faculty and graduate teaching assistants. (Sections of graduate teaching assistants are included only if it is their own course.) At the PhD departments, part-time faculty and graduate teaching assistants accounted for just over 7,000 sections, while Table E. 2 shows that the number of sections in remedial and precalculus mathematics for these departments totaled 6444.

TABLE F. 11 Percent of sections taught by full-time and part-time faculty and graduate teaching assistants in four-year college and university Departments of Statistics by type of school: Fall 1990.

| Univ(PhD) |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: | Univ(MA) | College(BA) |
| :---: | OVERALL



FIGURE F.11.1 Percent of sections taught by full-time and part-time faculty and graduate teaching assistants in four-year college and university Departments of Statistics by type of school: Fall 1990.

TABLE EII As in Table F.10, sections for graduate teaching assistants are included only if it is their own course.

TABLE F. 12 Percent of sections taught by full-time and part-time faculty and graduate teaching assistants in four-year college and university Departments of Computer Science by type of school: Fall 1990.

| Univ(PhD) |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: | Univ(MA) $⿻$ College(BA) $⿻$ OVERALL



FIGURE F.12.1 Percent of sections taught by full-time and part-time faculty and graduate teaching assistants in four-year college and university Departments of Computer Science by type of school: Fall 1990.

TABLE E12 Sections for graduate teaching assistants were included only if it was their own course. In PhD computer science departments, graduate teaching assistants taught $13 \%$ of all sections; in mathematics departments the corresponding number was $25 \%$.

TABLE F. 13 Number of part-time faculty and graduate teaching assistants in four-year college and university Departments of Mathematics, Statistics and Computer Science by type of school. The percent that part-time faculty and Graduate TAs are of full-time faculty is given in parentheses: Fall 1990.

|  | Part-time faculty | Graduate TAs | No. of depts | Ave. no. of part-time | Ave. no. of GTAs |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Math Depts Univ(PhD) | $\begin{aligned} & 1129 \\ & (18 \%) \end{aligned}$ | $\begin{aligned} & 6261 \\ & (97 \%) \end{aligned}$ | 165 | 7 | 38 |
| Univ(MA) | $\begin{aligned} & 2052 \\ & (41 \%) \end{aligned}$ | $\begin{gathered} 845 \\ (17 \%) \end{gathered}$ | 236 | 8 | 4 |
| College(BA) | $\begin{aligned} & 3605 \\ & (45 \%) \end{aligned}$ | $\begin{gathered} 191 \\ (2 \%) \end{gathered}$ | 1020 | 4 | 0 |
| TOTAL MATH | $\begin{array}{r} 6786 \\ (35 \%) \\ \hline \end{array}$ | $\begin{array}{r} 7297 \\ (38 \%) \\ \hline \end{array}$ | 1421 | 5 | 5 |
| Stat Depts Univ(PhD) | $\begin{gathered} 67 \\ (10 \%) \end{gathered}$ | $\begin{gathered} 419 \\ (63 \%) \end{gathered}$ | 53 | 1 | 8 |
| Univ(MA) | $\begin{gathered} 23 \\ (43 \%) \end{gathered}$ | $\begin{gathered} 30 \\ (57 \%) \end{gathered}$ | 5 | 5 | 6 |
| Coliege(BA) | $\begin{gathered} 0 \\ (0 \%) \end{gathered}$ | $\begin{gathered} 0 \\ (0 \%) \end{gathered}$ | 2 | 0 | 0 |
| TOTAL STAT | $\begin{gathered} 90 \\ (12 \%) \\ \hline \end{gathered}$ | $\begin{gathered} 449 \\ (61 \%) \\ \hline \end{gathered}$ | 60 | 1 | 7 |
| CS Depts Univ(PhD) | $\begin{gathered} 400 \\ (15 \%) \end{gathered}$ | $\begin{aligned} & 2836 \\ & (103) \end{aligned}$ | 136 | 3 | 21 |
| Univ(MA) | $\begin{gathered} 464 \\ (33 \%) \end{gathered}$ | $\begin{gathered} 647 \\ (46 \%) \end{gathered}$ | 105 | 4 | 6 |
| College(BA) | $\begin{gathered} 573 \\ (49 \%) \end{gathered}$ | $\begin{gathered} 143 \\ (12 \%) \end{gathered}$ | 238 | 2 | 1 |
| TOTAL CS | $\begin{array}{r} 1437 \\ (27 \%) \\ \hline \end{array}$ | $\begin{array}{r} 3626 \\ (72 \%) \\ \hline \end{array}$ | 479 | 3 | 8 |
| GRAND TOTAL | $\begin{array}{r} 8313 \\ (33 \%) \\ \hline \end{array}$ | $\begin{aligned} & 11372 \\ & (45 \%) \end{aligned}$ | 1960 |  |  |

TABLE F. 13 For PhD mathematics and computer science departments there was nearly a match between the number of full-time faculty and graduate teaching assistants. The table indicates a vigorous master's program at the MA computer science departments. The number of part-time college and university faculty continued to be a significant percentage of the full-time faculty total, especially at the collegiate level. Perhaps the graduate TA's in BA colleges are graduate students in other departments.


FIGURE F.13.1 Number of full-time faculty, part-time faculty and graduate teaching assistants in four-year college and university Departments of Mathematics by type of school: Fall 1990.


FIGURE F.13.2 Number of full-time faculty, part-time faculty and graduate teaching assistants in four-year college and university Departments of Statistics by type of school: Fall 1990.


FIGURE F.13.3 Number of full-time faculty, part-time faculty and graduate teaching assistants in four-year college and university Departments of Computer Science by type of school: Fall 1990.

