

2020 Departmental Profile Report

Rankin Climate, LLC

Introduction

This report serves as a comprehensive summary of data pertaining to Mathematical and Statistical Sciences (MSS) departments within four-year colleges and universities across the United States as of the fall of 2020. Compiled through a census of these departments, the information provided encompasses details such as faculty composition, departmental leadership, undergraduate and graduate course enrollments, as well as the number of degrees conferred at both the undergraduate and graduate levels.¹ We also provide detailed data tables as an additional resource. In this report, data are reported in the aggregate by department grouping. Definitions of terms such as “Mathematical and Statistical Sciences,” “Math,” and “Stats,” along with a description of the faculty categories, are provided in the Methodology section of this report.

Key Departmental Profile Takeaways

Doctoral Math departments.

- Over one-third (35%, $n = 9,205$) of MSS faculty were in Doctoral Math departments.
- 42% ($n = 17,229$) of undergraduate degrees were granted by Doctoral Math departments.

Statistics & Biostatistics departments.

- Biostatistics programs had the lowest undergraduate to full-time faculty ratio (4:1).
- The highest ratios of graduate enrollment per full-time tenured and tenure-eligible faculty

member were in Statistics (34:1) and Biostatistics (32:1) departments, respectively.

Bachelor's departments.

- From 2019 to 2020, the number of full-time faculty increased 5% from 25,323 to 26,519. The number of full-time faculty in bachelor's-level programs increased 9% during this time from 8,482 to 9,203.

Master's departments.

- Master's departments had one of the highest proportions of part-time faculty (33%, $n = 2,259$).
- Master's departments had one of the lowest graduate student to faculty ratios (7:1).

Gender disparities across MSS departments.

- 35% of MSS faculty identified as women ($n = 13,402$).
- Across programs, Doctoral Math departments at large, private institutions had the lowest percentage of women tenured or tenure-eligible faculty (14%, $n = 93$).
- 27% ($n = 160$) of all MSS department chairs identified as women. There were no women chairs of Doctoral Math Private Large departments.
- Biostatistics departments had the largest proportions of women undergraduate (50%, $n = 54$) and master's (54%, $n = 486$) degree earners.

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DOI: <https://doi.org/10.1090/noti3179>

¹Imputation was used in cases where there was missing data. All 2020 Master's department data were imputed because no questionnaires were returned. See the Methodology section for more information.

MSS Faculty

Full-time faculty. From 2019 to 2020, the number of full-time faculty increased by 5% from 25,323 to 26,519. The

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number of full-time faculty in bachelor's-level programs increased 9% during this time from 8,482 to 9,203. This follows declines in those areas from the previous year. Table 1 provides a longitudinal overview of full-time MSS faculty by department grouping.

Table 1. Full-time Faculty by Department Grouping

Department Grouping	Full-Time Faculty in 2018	Full-Time Faculty in 2019	Full-Time Faculty in 2020
Doctoral Math Public Large	2,251	2,245	2,363
Doctoral Math Public Medium	2,182	2,276	2,236
Doctoral Math Public Small	2,603	2,615	2,639
Doctoral Math Private Large	1,178	1,206	1,153
Doctoral Math Private Small	810	815	814
Doctoral Applied Math	600	701	830
Doctoral Statistics	1,494	1,531	1,622
Doctoral Biostatistics	1,157	1,121	1,169
Master's	4,121	4,331	4,500
Bachelor's	9,479	8,482	9,203
TOTAL FULL-TIME FACULTY	25,875	25,323	26,519

All MSS faculty. In the fall of 2020, the total number of MSS faculty was 35,191 (SE = 824). 41% ($n = 14,269$) of those MSS faculty were in Bachelor's departments and one-third (34%, $n = 11,454$) were in Doctoral Math departments. As illustrated in Figure 1, 49% ($n = 17,375$) of MSS faculty held full-time tenured/tenure-eligible roles, 25% ($n = 8,945$) were in part-time faculty positions, and 27% ($n = 9,350$) were in non-tenure-eligible or other full-time positions. Bachelor's (34%, $n = 4,911$) and Master's (33%, $n = 2,259$) departments had the highest proportions of part-time faculty. See Table F.1 (p. 15) for a detailed accounting of MSS faculty by position and department grouping.²

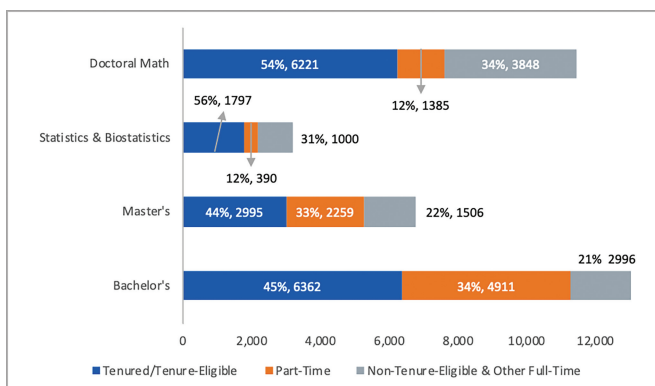


Figure 1. Faculty position by department grouping, 2020.

Faculty by gender identity. Figure 2 displays the faculty gender percentages by department grouping. It should be

noted that the percentages for men faculty are much higher than for women faculty across all department groups. Table FF.5 in the Appendix (page 28) has the detailed breakdown of gender numbers and percentages by department type. When looking at individual Doctoral Math department groupings, Doctoral Biostatistics departments (42%, $n = 617$) had the highest percentages of women faculty, while Doctoral Math Private Large departments had the lowest percentage (15%, $n = 224$). Of all MSS faculty in the fall of 2020, 35% ($n = 13,402$) identified as women, and 65% ($n = 24,730$) identified as men (Table FF.5).³

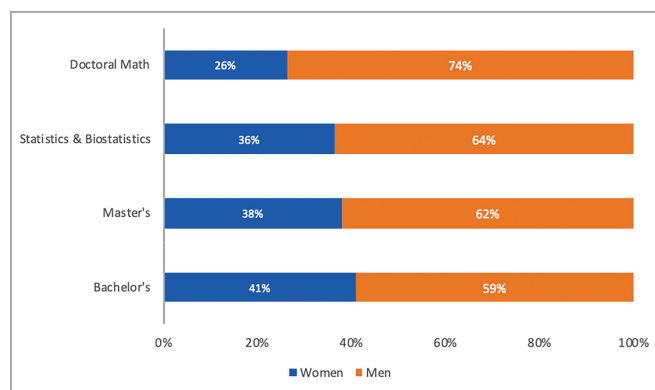


Figure 2. Faculty gender by department grouping, 2020.

As shown in Table FF.5, the highest proportions of women faculty by position, compared to men faculty, were in the non-tenure-eligible (47%, $n = 3,662$) and part-time (43%, $n = 3,863$) faculty groups, while the lowest percentages were in tenured/tenure-eligible (27%, $n = 4,778$) and postdoc (26%, $n = 443$) positions. Figure 3 provides a concise summary of Table FF.5. While 51% ($n = 12,697$) of all men faculty were in tenured/tenure-eligible positions, the majority of women faculty (56%, $n = 7,525$) were in non-tenure-eligible and part-time positions (Figure 3).

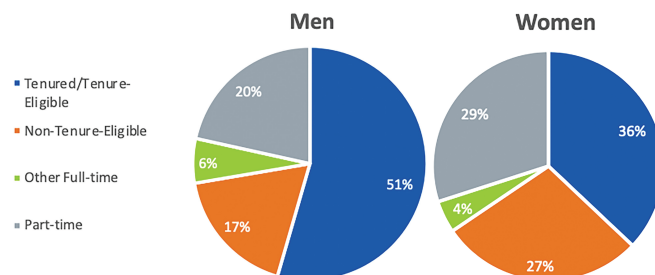


Figure 3. Faculty position by gender identity, 2020.

²Note that "Doctoral Math" includes Doctoral Math Public Large, Medium, and Small; Doctoral Math Private Large and Small; and Doctoral Applied Math departments. The "Statistics & Biostatistics" group includes both Doctoral Statistics and Doctoral Biostatistics departments.

³Non-binary/Other gender data are not reported to protect confidentiality.

MSS chairs. Of all MSS department chairs in the fall of 2020, 27% ($n = 160$) identified as women, and 73% ($n = 440$) identified as men. Bachelor's-level departments had the highest percentage of women-identified department chairs (Table DC.1, p. 30). Notably, only 9% of Doctoral Applied Math programs and no Large Private Doctoral Math programs had chairs who identified as women.

Undergraduate Course Enrollments and Degrees Awarded

In the fall of 2020, the total undergraduate course enrollment in MSS departments was 2,538,764 (SE = 96,528), reflecting an increase of 14% from the previous year. Table 2 illustrates that the increase was primarily among Bachelor's departments, in which undergraduate course enrollments grew by 43% from 539,060 to 773,343 from 2019 to 2020, returning to levels more comparable to 2018.

Table 2. Undergraduate Course Enrollment by Department Grouping

Department Grouping	Undergraduate Course Enrollments (Thousands) in 2018	Undergraduate Course Enrollments (Thousands) in 2019	Undergraduate Course Enrollments (Thousands) in 2020
Doctoral Math	1,042	1,052	1,097
Statistics	136	136	148
Master's	511	501	521
Bachelor's	869	539	773
TOTAL UNDERGRADUATE COURSE ENROLLMENT	2,558	2,228	2,539

The highest ratios of undergraduate enrollment per full-time faculty member were in Public Large (109:1), Medium (136:1), and Small (129:1) Math departments and Master's (116:1) departments (Figure 4). The lowest enrollment to faculty ratio was in Biostatistics (4:1) departments, followed by Private Large Math (43:1) departments.

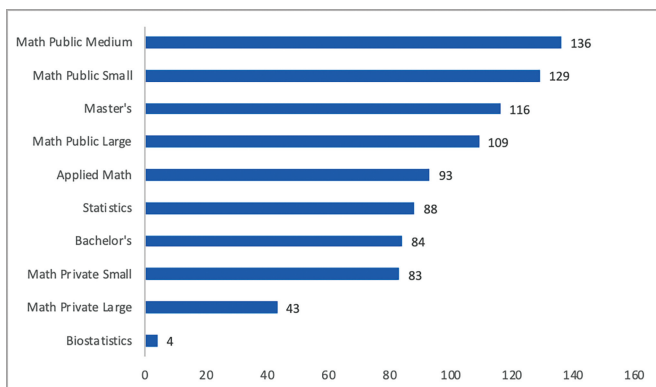


Figure 4. Undergraduate enrollment per full-time faculty member.

A total of 41,277 (SE = 1,956) MSS undergraduate degrees were conferred in 2020, up 19% from the previous academic year (Table 3). Between 2019 and 2020, the number of MSS undergraduate degrees conferred at Statistics departments increased 37% from 2,503 to 3,419. In 2020, 42% ($n = 17,229$) of undergraduate degrees were granted by Doctoral Math departments and 37% ($n = 15,197$) by Bachelor's departments.

Table 3. Undergraduate Degrees by Department Grouping and Major

Department Grouping and Major	Undergraduate Degrees Conferred in 2018	Undergraduate Degrees Conferred in 2019	Undergraduate Degrees Conferred in 2020
Doctoral Math	15,084	14,417	17,229
Mathematics	12,988	12,274	13,747
Mathematics Education	382	416	480
Statistics	363	372	562
Computer Science	597	447	1,367
Other	754	908	1,073
Statistics & Biostatistics	2,300	2,503	3,419
Mathematics	135	195	326
Mathematics Education	0	0	34
Statistics	1,975	2,088	2,622
Computer Science	0	0	124
Other	190	220	313

Department Grouping and Major	Undergraduate Degrees Conferred in 2018	Undergraduate Degrees Conferred in 2019	Undergraduate Degrees Conferred in 2020
Master's	4,698	5,146	5,432
Mathematics	3,675	3,609	3,651
Mathematics Education	531	388	415
Statistics	156	403	398
Computer Science	184	536	743
Other	152	210	225
Bachelor's	14,345	12,732	15,197
Mathematics	8,967	7,503	8,492
Mathematics Education	1,179	1,234	1,257
Statistics	319	230	323
Computer Science	2,670	2,698	3,822
Other	1,210	1,067	1,303
TOTAL UNDERGRADUATE DEGREES CONFERRED	36,427	34,798	41,277

MSS undergraduate degrees awarded by gender identity.

Of undergraduate degrees awarded in 2020, 40% were earned by women students, and 60% were earned by men students.⁴ The largest proportion of women degree earners was in Biostatistics departments (50%, $n = 54$). See Table UD.3 (in Appendix) for a year-over-year comparison of undergraduate degrees awarded by gender. There was little change in the proportions of women and men receiving undergraduate degrees by departmental group from 2018 to 2020 (Figure 5).

Graduate Course Enrollment and Master's Degrees Awarded

In the fall of 2020, the total graduate course enrollment in MSS departments was 112,253 (SE = 6,995) reflecting

⁴Non-binary/Other gender data are not reported to protect confidentiality.

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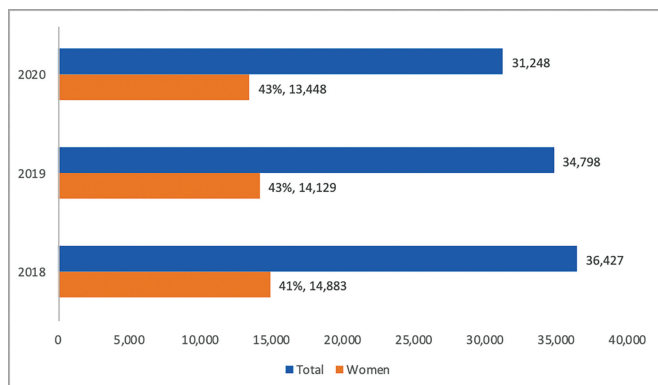


Figure 5. Undergraduate degrees by gender, 2018–2020.

a slight decrease from the previous year. Table 4 provides a year-over-year overview of graduate student enrollment for graduate degree-granting departments. Almost all graduate course enrollments were in Doctoral Math (47%, $n = 53$) and Statistics & Biostatistics (41%, $n = 46$) departments.

Table 4. Graduate Course Enrollment by Department Grouping

Department Grouping	Graduate Course Enrollment (Thousands) in 2018	Graduate Course Enrollment (Thousands) in 2019	Graduate Course Enrollment (Thousands) in 2020
Doctoral Math	51	54	53
Statistics	48	48	46
Master's	12	13	13
TOTAL GRADUATE COURSE ENROLLMENT	111	115	112

The highest ratios of graduate enrollment per full-time tenured and tenure-eligible faculty member were in Statistics (34:1) and Biostatistics (32:1) departments (Figure 6). The lowest enrollment to faculty ratio was Private Small Math (6:1) departments, followed by Master's (7:1) departments.

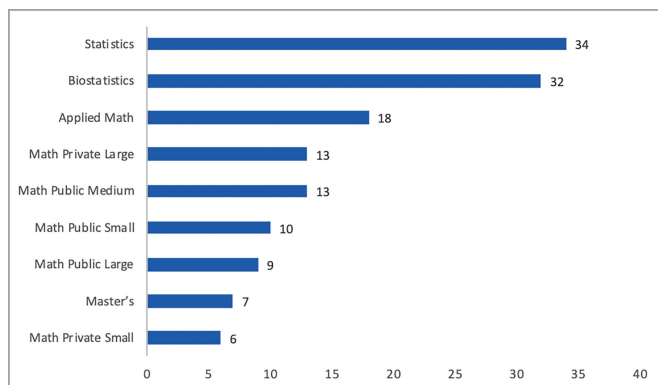


Figure 6. Graduate enrollment per full-time tenured and tenure-eligible faculty member.

A total of 9,432 (SE = 701) MSS master's degrees were conferred in 2020, up 25% from the previous academic year. The number of master's degrees conferred at institutions in the Statistics department grouping increased by 46% from 2019 to 2020.

Table 5. Master's Degrees by Department Grouping and Major

Department Grouping and Major	Master's Degrees Conferred in 2018	Master's Degrees Conferred in 2019	Master's Degrees Conferred in 2020
Doctoral Math	3,083	3,198	3,623
Mathematics	2,177	2,141	2,343
Mathematics Education	122	107	151
Statistics	477	571	609
Computer Science	72	36	85
Other	235	343	435
Statistics	2,605	2,631	3,831
Mathematics	97	92	521
Mathematics Education	0	0	26
Statistics	2,255	2,311	2,506
Computer Science	0	4	15
Other	253	224	763
Master's	1,648	1,691	1,978
Mathematics	1,101	1,025	1,090
Department Grouping and Major	Master's Degrees Conferred in 2018	Master's Degrees Conferred in 2019	Master's Degrees Conferred in 2020
Mathematics Education	253	298	329
Statistics	146	201	281
Computer Science	103	88	116
Other	15	79	162
TOTAL MASTER'S DEGREES CONFERRED	7,336	7,520	9,432

Master's degrees awarded by gender identity. Of master's degrees awarded in 2020, 43% ($n = 3,532$) were earned by women students, and 57% ($n = 4,740$) were earned by men students.⁵ This is comparable to 2019, during which 42% ($n = 3,174$) of master's degrees were earned by women (Figure 7). The largest proportion of women degree earners was in Biostatistics departments (57%, $n = 348$). Table MD.2 (in Appendix) details the gender of MSS master's degree recipients by department group for 2019. There was little change from year to year.

Methodology

Response rates. The questionnaire on which this report was based, "Departmental Profile," was sent to all doctoral, master's, and bachelor's Mathematical and Statistical Sciences departments in the United States.

In this report, Mathematical and Statistical Sciences departments are those in four-year institutions in the US that refer to themselves with a name that incorporates (with a few exceptions) "Mathematics" or

⁵ Non-binary/Other gender data are not reported to protect confidentiality.

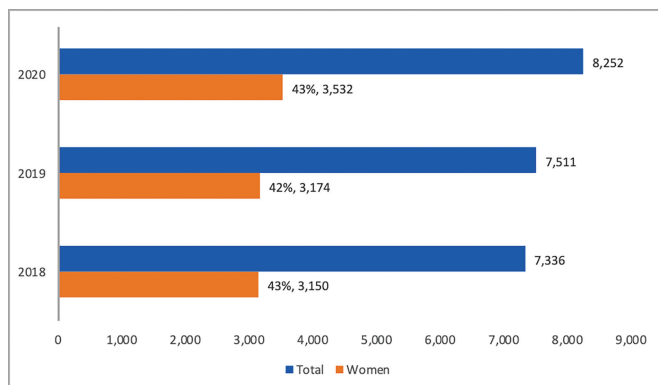


Figure 7. Master's degrees by gender, 2018–2020.

"Statistics" in some form. For instance, the term includes, but is not limited to, departments of "Mathematics," "Mathematical Sciences," "Mathematics and Statistics," "Mathematics and Computer Science," "Applied Mathematics," "Statistics," and "Biostatistics." Also, Mathematics (Math) refers to departments that (with exceptions) have "Mathematics" in the name; Stats refers to departments that incorporate (again, with exceptions) "Statistics" or "Biostatistics" in the name but do not use "Mathematics." Listings of the actual departments that comprise these groups are available on the AMS website at <https://www.ams.org/annual-survey/groupings>.

Table 6 provides a snapshot of survey response rates for the fall of 2020 by department grouping.⁶ The response rates were calculated by dividing the number of surveys received by the total number of institutions to which surveys were distributed within each department grouping.

Table 6. Response Rate by Department Grouping

Department Grouping	Number	Percent
Doctoral Math Public Large	11	42
Doctoral Math Public Medium	16	40
Doctoral Math Public Small	32	44
Doctoral Math Private Large	12	50
Doctoral Math Private Small	12	43
Doctoral Applied Math	15	50
Doctoral Statistics	24	40
Doctoral Biostatistics	16	36
Master's	0	0
Bachelor's	170	18
TOTAL	308	21

⁶All 2020 Master's department data were imputed because no questionnaires were returned.

Faculty categories. Departments were asked to report any faculty member considered full-time in the institution for the academic year and at least half-time in the department. Each faculty member was reported in exactly one of the following categories.

Tenure-track faculty includes full-time faculty who hold tenured/tenure-eligible positions (i.e., only those individuals who are tenured full professors, other tenured, and tenure-eligible faculty).

Postdoctoral faculty includes full-time faculty with teaching and/or research responsibilities, but for a strictly limited term of employment (i.e., those individuals who hold a temporary position primarily intended to provide an opportunity to continue training or to further research experience).

Non-tenure-track faculty includes full-time faculty eligible for benefits and with an appointment that lasts at least one academic year. These faculty hold appointments that are renewable (potentially unlimited), fixed-term but not renewable, or temporary. Typical titles for these positions are lecturer, senior lecturer, instructor, senior instructor, associate/assistant/full teaching professor, professor of the practice, or clinical professor, and similar titles for research-only faculty.

Part-time faculty includes individuals hired term-by-term, paid by the course, and/or those in phased retirement.

Imputation and estimation. For most of the data collected on the Departmental Profile form, annual changes for any department were small compared to the variation among the departments within a department grouping. Therefore, available survey responses for each department from the previous year were used to replace missing data. After the inclusion of prior responses, the remaining non-responses were imputed via an Expectation-Maximization imputation procedure⁷ to derive the estimates reported for the entire grouping. Estimates for Master's departments are entirely based on the imputation of 2019 carry-forward data because there were no 2020 data for those departments. Some values were nullified because of limitations of the imputation model source data. Historical data from before 2019 were obtained from previous reports which may have used different methods for imputing missing data. As a result of these approaches to missing data, estimates provided in this report may differ from those obtained from other sources, such as NCES.

For some key estimates in the detailed data tables, standard errors were calculated from variability in the data. These can be used to demonstrate how close estimates

⁷P. D. Allison, *Missing Data*, SAGE Publications, Thousand Oaks, CA, 2001.

were to the true value for the population. For example, the number of full-time faculty in the Master's group was estimated at 4,501 with a standard error of 176. This means the actual number of full-time faculty in the Master's group is most likely around 4,501 plus or minus two standard errors, or between 4,149 and 4,853.

Estimates were also given for totals and subtotals, such as the total number of full-time faculty. For example, an estimate of the total number of full-time faculty in all groups except Statistics and Biostatistics was 23,928, with a standard error of 717. Note that a reported total or subtotal may differ slightly from the sum of the individual entries or from the same total in a different data table. All individual table entries were rounded imputed estimates of the individual parameters, which may lead to differences when summed as a result of this rounding (as the sum of rounded numbers is not always the same as the rounded sum). The same may apply to standard errors calculated from different combinations of imputed values.

Appendix: Tables

Table DF.1: Doctoral Full-Time Faculty 2020

	GROUP															
	All Doctoral Math Combined			Masters			Bachelors			Statistics & Biostatistics			Totals			
	Men	Women	Other	Men	Women	Other	Men	Women	Other	Men	Women	Other	ALL	Men	Women	Other
With a Doctorate	7101	2077	4	2368	1060	0	5062	2670	24	1725	920	6	19632	13717	5888	27
Tenured	4263	866	1	1603	665	0	3197	1417	0	894	344	0	13250	9957	3292	1
Full Professors	3197	487	0	988	334	0	2030	787	0	634	216	0	8673	6849	1824	0
Other	1066	379	1	615	331	0	1167	630	0	260	128	0	4577	3108	1468	1
Tenure-eligible (without tenure)	786	279	2	431	225	0	907	603	18	359	197	0	3407	1996	1397	14
Non-tenure track	2052	932	1	334	170	0	958	650	6	472	379	6	2975	1764	1199	12
Postdoctoral appointments	1056	308	0	37	16	0	43	99	0	152	83	2	432	232	198	2
Renewable appointments	833	547	0	222	134	0	659	410	4	292	267	4	1992	1173	811	8
Fixed-term appointments	137	65	1	65	18	0	180	97	2	13	15	0	390	258	130	2
Other appointments	26	12	0	10	2	0	76	44	0	15	14	0	161	101	60	0

Table F.1: Total Faculty 2020

	Math Public Large	Math Public Medium	Math Public Small	Math Private Large	Math Private Small	Applied Math	All Doctoral Math	Masters	Bachelor s	All Math	Statistics	Biostatistics	Statistics & Biostatistics Combined	Total All Groups
Total full-time faculty	2370	2238	2652	1153	818	838	10069	4501	9358	23928	1643	1154	2797	26725
Standard error	136	135	144	95	64	83	397	176	254	717	96	89	131	732
Tenured	1208	1079	1407	560	449	436	5139	2328	4793	12260	769	469	1238	13498
Full Professors	955	719	906	498	306	300	3684	1333	2886	7903	521	329	850	8753
Other	253	360	501	62	143	136	1455	995	1907	4357	248	140	388	4745
Tenure-eligible (without tenure)	219	255	335	105	96	72	1082	667	1569	3318	335	224	559	3877
Non-tenure track	943	904	910	488	273	330	3848	1506	2996	8350	539	461	1000	9350
Postdoctoral appointments	417	277	95	357	99	119	1364	53	89	1506	118	117	235	1741
Renewable appointments	440	532	690	121	152	181	2116	1158	2278	5552	362	317	679	6231
Fixed-term appointments	75	84	104	7	18	25	313	229	441	983	34	3	37	1020
Other appointments	11	11	21	3	4	5	55	66	188	309	25	24	49	358
Doctoral full-time faculty	2231	2029	2200	1152	787	781	9180	3428	7700	20308	1549	1101	2650	22958
Standard error	123	114	120	95	62	79	369	131	202	647	95	86	128	665
Tenured	1202	1078	1404	560	449	437	5130	2268	4614	12012	772	466	1238	13250
Full Professors	955	718	906	498	306	301	3684	1322	2817	7823	521	329	850	8673
Other	247	360	498	62	143	136	1446	946	1797	4189	251	137	388	4577

Tenure-eligible (without tenure)	216	255	321	105	97	72	1066	656	1527	3249	332	224	556	3805
Non-tenure track	813	696	475	487	241	272	2984	504	1559	5047	445	411	856	5903
Postdoctoral appointments	417	277	95	357	99	119	1364	53	89	1506	118	117	235	1741
Renewable appointments	331	346	325	120	125	133	1380	356	1073	2809	283	280	563	3372
Fixed-term appointments	54	66	46	7	13	16	202	83	278	563	26	2	28	591
Other appointments	11	7	9	3	4	4	38	12	119	169	18	12	30	199
Nondoctoral full-time faculty	150	217	456	3	43	68	937	1080	1921	3938	134	59	193	4131
Standard error	37	35	48	2	10	15	78	85	89	155	18	15	23	157
Tenured	8	4	4	0	1	0	17	61	231	309	10	2	12	321
Full Professors	0	2	0	0	0	0	2	11	84	97	1	2	3	100
Other	8	2	4	0	1	0	15	50	147	212	9	0	9	221
Tenure-eligible (without tenure)	5	0	14	0	1	1	21	12	85	118	4	2	6	124
Non-tenure track	137	213	438	3	41	67	899	1007	1605	3511	120	55	175	3686
Renewable appointments	113	188	366	1	31	53	752	806	1303	2861	86	40	126	2987
Fixed-term appointments	21	20	58	2	8	12	121	146	185	452	22	3	25	477
Other appointments	3	5	14	0	2	2	26	55	117	198	12	12	24	222
Total part-time faculty	200	339	513	49	147	137	1385	2259	4911	8555	207	185	392	8947
Standard error	65	53	60	17	23	23	113	173	189	293	32	28	59	300
Doctoral	83	179	161	44	90	76	633	390	1391	2414	147	153	300	2714
Faculty with benefits received	54	92	54	6	46	27	279	127	407	813	53	28	81	894

Other part-time faculty	23	78	95	37	36	39	308	219	912	1439	73	124	197	1636
Phased retirements	6	9	12	1	8	10	46	44	72	162	21	1	22	184
Nondoctoral	117	160	352	5	57	61	752	1869	3520	6141	60	32	92	6233
Faculty with benefits received	70	101	110	1	14	14	310	569	715	1594	24	7	31	1625
Other part-time faculty	47	59	242	4	43	47	442	1298	2763	4503	35	25	60	4563
Phased retirements	0	0	0	0	0	0	0	2	42	44	1	0	1	45

Table F.2: Summary of Full-Time and Part-Time Faculty, Fall 2020

	GROUP											
	All Doctoral Math Combined			Masters & Bachelors			Statistics & Biostatistics			Total		
	Men	Women	Other	Men	Women	Other	Men	Women	Other	Men	Women	Other
Full time faculty	8351	3140	13	12754	8504	84	2058	1168	10	23163	12812	107
<i>Percentage</i>	<i>73</i>	<i>27</i>	<i>0</i>	<i>60</i>	<i>40</i>	<i>0</i>	<i>64</i>	<i>36</i>	<i>0</i>	<i>64</i>	<i>36</i>	<i>0</i>
Doctoral full-time faculty	7101	2077	5	7428	3729	24	1725	921	6	16254	6727	35
<i>Percentage</i>	<i>77</i>	<i>23</i>	<i>0</i>	<i>66</i>	<i>33</i>	<i>0</i>	<i>65</i>	<i>35</i>	<i>0</i>	<i>71</i>	<i>29</i>	<i>0</i>
Tenured	4264	866	1	4800	2082	0	894	344	0	9958	3292	1
<i>Percentage</i>	<i>83</i>	<i>17</i>	<i>0</i>	<i>70</i>	<i>30</i>	<i>0</i>	<i>72</i>	<i>28</i>	<i>0</i>	<i>75</i>	<i>25</i>	<i>0</i>
Tenure-eligible (without tenure)	786	279	2	1337	827	18	359	197	0	2482	1303	20
<i>Percentage</i>	<i>74</i>	<i>26</i>	<i>0</i>	<i>61</i>	<i>38</i>	<i>1</i>	<i>65</i>	<i>35</i>	<i>0</i>	<i>65</i>	<i>34</i>	<i>1</i>
Non-tenure track	2051	932	2	1291	820	6	472	380	6	3814	2132	14
<i>Percentage</i>	<i>69</i>	<i>31</i>	<i>0</i>	<i>61</i>	<i>39</i>	<i>1</i>	<i>55</i>	<i>44</i>	<i>1</i>	<i>64</i>	<i>36</i>	<i>0</i>
Nondoctoral full-time faculty	422	511	3	1377	1608	3	90	103	1	1889	2222	7
<i>Percentage</i>	<i>45</i>	<i>55</i>	<i>0</i>	<i>46</i>	<i>54</i>	<i>0</i>	<i>46</i>	<i>53</i>	<i>1</i>	<i>46</i>	<i>54</i>	<i>0</i>
Tenured	11	6	0	175	113	3	9	3	0	195	122	3
<i>Percentage</i>	<i>65</i>	<i>35</i>	<i>0</i>	<i>60</i>	<i>39</i>	<i>1</i>	<i>75</i>	<i>25</i>	<i>0</i>	<i>61</i>	<i>38</i>	<i>1</i>
Tenure-eligible (without tenure)	16	5	0	43	54	0	4	2	0	63	61	0

<i>Percentage</i>	76	24	0	44	56	0	67	33	0	51	49	0
Non-tenure track	395	500	3	1159	1441		77	98	1	1631	2039	4
<i>Percentage</i>	44	56	0	45	55	13	44	56	1	44	55	0
Part-time	828	552	5	3949	3167	57	243	144	3	5020	3863	65
<i>Percentage</i>	60	40	0	55	44	1	62	37	1	56	43	1
Doctoral	444	187	1	1087	686	10	207	92	0	1738	965	11
<i>Percentage</i>	70	30	0	61	38	1	69	31	0	64	36	0
Nondoctoral	384	365	4	2862	2481	47	36	52	3	3282	2898	54
<i>Percentage</i>	51	48	1	53	46	1	40	57	3	53	46	1

Table F.3: Part-Time Faculty, Fall 2020

	GROUP											
	All Doctoral Math Combined			Masters & Bachelors			Statistics & Biostatistics			Total		
	Men	Women	Other	Men	Women	Other	Men	Women	Other	Men	Women	Other
Doctoral	444	187	1	1087	686	10	207	92	0	1738	965	11
Nondoctoral	384	365	4	2862	2481	47	36	52	3	3282	2898	54
Total	828	552	5	3949	3167	57	243	144	3	5020	3863	65

Table F.4: Full-Time Faculty Teaching Courses Outside the Mathematical Sciences, Fall 2020

	Math Public Large	Math Public Medium	Math Public Small	Math Private Large	Math Private Small	Applied Math	All Doctora l Math	Masters	Bachelor s	All Math	Statistics	Biostatistic s	Statistics & Biostatist ics	Total All Groups
Teaching Outside the Math. Sci.	47	41	85	23	7	124	327	296	1766	2389	225	203	428	2817
Standard Error	15	9	38	8	3	65	79	39	62	107	59	41	72	130
<i>Percentage of full-time faculty</i>	2	2	3	2	1	15	3	7	19	10	14	18	15	11
Teaching Computer Science only	30	43	40	8	8	6	135	131	969	1235	2	684	686	1921
Standard Error	19	16	17	5	5	5	31	25	138	145	2	457	461	485
<i>Percentage of full-time Outside Math. Sci.</i>	64	105	47	35	114	5	41	44	55	52	1	337	160	68

Table FF.1: Total Women Faculty, Fall 2020

	Math Public Large	Math Public Medium	Math Public Small	Math Private Large	Math Private Small	Applied Math	All Doctoral Math	Masters	Bachelo rs	All Math Combin ed	Statistic s	Biostatistics	Statistic s & Biostatistics Combin ed	Total All Groups Combin ed
Total Women full-time faculty	550	600	830	201	188	214	2583	1649	3688	7920	542	482	1024	8944
Standard error	41	51	54	16	18	33	102	64	95	182	30	42	45	190
Tenured	179	179	299	69	67	79	872	690	1505	3067	188	159	347	3414
Full Professors	111	88	154	53	38	45	489	337	826	1652	113	104	217	1869
Other	68	91	145	16	29	34	383	353	679	1415	75	55	130	1545
Tenure-eligible (without tenure)	56	64	83	24	30	26	283	230	652	1165	107	93	200	1365
Non-tenure track	315	357	448	108	91	109	1428	729	1531	3688	247	230	477	4165
Postdoctoral appointments	103	67	23	67	20	26	306	16	99	421	30	53	83	504
Renewable appointments	181	260	374	39	58	73	985	585	1176	2746	180	158	338	3084
Fixed-term appointments	27	27	42	1	12	8	117	94	181	392	28	4	32	424
Other appointments	4	3	9	1	1	2	20	34	75	129	9	15	24	153
Doctoral Women full- time faculty	480	474	571	200	166	183	2074	1060	2670	5804	476	444	920	6724
Standard error	36	37	42	16	17	31	79	43	70	135	28	41	43	147

Tenured	178	177	296	69	67	79	866	665	1417	2948	185	159	344	3292
Full Professors	111	86	154	53	38	45	487	334	787	1608	112	104	216	1824
Other	67	91	142	16	29	34	379	331	630	1340	73	55	128	1468
Tenure-eligible (without tenure)	53	64	82	24	30	26	279	225	603	1107	106	91	197	1304
Non-tenure track	249	233	193	107	69	78	929	170	650	1749	185	194	379	2128
Postdoctoral appointments	103	67	23	67	20	26	306	16	99	421	30	53	83	504
Renewable appointments	121	145	155	39	41	46	547	134	410	1091	135	132	267	1358
Fixed-term appointments	21	20	12	0	7	5	65	18	97	180	13	2	15	195
Other appointments	4	1	3	1	1	1	11	2	44	57	7	7	14	71
Nondoctoral Women full-time faculty	70	126	259	1	22	31	509	589	1018	2116	66	38	104	2220
Standard error	18	21	28	1	6	9	45	43	43	81	9	8	12	82
Tenured	1	2	3	0	0	0	6	25	88	119	3	0	3	122
Full Professors	0	2	0	0	0	0	2	3	39	44	1	0	1	45
Other	1	0	3	0	0	0	4	22	49	75	2	0	2	77
Tenure-eligible (without tenure)	3	0	1	0	0	0	4	5	49	58	1	2	3	61
Non-tenure track	66	124	255	1	22	31	499	559	881	1939	62	36	98	2037
Renewable appointments	60	115	219	0	17	27	438	451	766	1655	45	26	71	1726

Fixed-term appointments	6	7	30	1	5	3	52	76	84	212	15	2	17	229
Other appointments	0	2	6	0	0	1	9	32	31	72	2	8	10	82
Total Women part-time faculty	73	130	237	13	55	43	551	922	2243	3716	75	69	144	3860
Standard error	28	19	30	4	12	12	113	73	89	293	10	18	59	300
Doctoral	29	54	46	12	28	18	187	111	575	873	40	53	93	966
Faculty with benefits received	23	36	14	4	19	8	104	37	194	335	20	13	33	368
Other part-time faculty	5	18	32	8	9	8	80	66	367	513	13	40	53	566
Phased retirements	1	0	0	0	0	2	3	8	14	25	7	0	7	32
Nondoctoral	44	76	191	1	27	25	364	811	1668	2843	35	16	51	2894
Faculty with benefits received	29	48	52	0	3	10	142	250	335	727	16	6	22	749
Other part-time faculty	15	28	139	1	24	15	222	559	1300	2081	19	10	29	2110
Phased retirements	0	0	0	0	0	0	0	2	33	35	0	0	0	35

Table FF.2: Summary of Total Women Faculty, Fall 2020

	Math Public Large	Math Public Medium	Math Public Small	Math Private Large	Math Private Small	Applied Math	All Doctoral Math Combin ed	Masters	Bachelor s	All Math Combin ed	Statistic s	Biostatistics	Statistic s & Biostatistics Combin ed	Total All Groups Combin ed
Total Women full-time faculty	550	600	830	201	188	214	2583	1649	3688	7920	542	482	1024	8944
Standard error	41	51	54	16	18	33	102	64	95	182	30	42	45	190
Tenured	179	179	299	69	67	79	872	690	1505	3067	188	159	347	3414
Tenure-eligible (without tenure)	56	64	83	24	30	26	283	230	652	1165	107	93	200	1365
Non-tenure track	315	357	448	108	91	109	1428	729	1531	3688	247	230	477	4165
Postdoctoral appointments	103	67	23	67	20	26	306	16	99	421	30	53	83	504
Doctoral Women full-time faculty	480	474	571	200	166	183	2074	1060	2670	5354	476	444	920	6724
Standard error	36	37	42	16	17	31	79	43	70	135	28	41	43	147
Tenured	178	177	296	69	67	79	866	665	1417	2498	185	159	344	3292
Tenure-eligible (without tenure)	53	64	82	24	30	26	279	225	603	1107	106	91	197	1304
Non-tenure track	249	233	193	107	69	78	929	170	650	1749	185	194	379	2128
Postdoctoral appointments	103	67	23	67	20	26	306	16	99	421	30	53	83	504
Nondoctoral Women full-time faculty	70	126	259	1	22	31	509	589	1018	2116	66	38	104	2220

Standard error	18	21	28	1	6	9	45	43	43	81	9	8	12	82
Tenured	1	2	3	0	0	0	6	25	88	119	3	0	3	122
Tenure-eligible (without tenure)	3	0	1	0	0	0	4	5	49	58	1	2	3	61
Non-tenure track	66	124	255	1	22	31	499	559	881	1939	62	36	98	2037
Total Women part-time faculty	73	130	237	13	55	43	551	922	2243	3716	75	69	144	3860
Standard error	28	19	30	4	12	12	113	73	89	293	10	18	59	300
Doctoral	29	54	46	12	28	18	187	111	575	873	40	53	93	966
Nondoctoral	44	76	191	1	27	25	364	811	1668	2843	35	16	51	2894

Table FF.3: Full-Time Faculty with Percent Women, Fall 2020

	Math Public Large	Math Public Medium	Math Public Small	Math Private Large	Math Private Small	Applied Math	All Doctoral Math Combin ed	Masters	Bachelo rs	All Math Combin ed	Statistic s	Biostatistics	Total All Groups Combin ed
Full-time Faculty	2363	2236	2639	1153	814	830	10035	4500	9203	23738	1622	1169	26529
<i>Percentage of total full-time faculty</i>	<i>9</i>	<i>8</i>	<i>10</i>	<i>4</i>	<i>3</i>	<i>3</i>	<i>38</i>	<i>17</i>	<i>35</i>	<i>89</i>	<i>6</i>	<i>4</i>	<i>100</i>
Women full-time faculty	550	600	830	201	188	214	2583	1649	3688	7920	542	482	8944
<i>Percentage of total women full-time faculty</i>	<i>6</i>	<i>7</i>	<i>9</i>	<i>2</i>	<i>2</i>	<i>2</i>	<i>29</i>	<i>18</i>	<i>41</i>	<i>89</i>	<i>6</i>	<i>5</i>	<i>100</i>
<i>As a percentage of women full-time faculty within group faculty</i>	<i>23</i>	<i>27</i>	<i>31</i>	<i>17</i>	<i>23</i>	<i>26</i>	<i>26</i>	<i>37</i>	<i>40</i>	<i>33</i>	<i>33</i>	<i>41</i>	<i>34</i>

Table FF.4 Mathematics Faculty Counts and Percentages Women, Fall 2007-2020

	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
All Doctoral Mathematics														
Doctoral full-time faculty														
Tenured/ tenure-eligible	5709	5666	5834	5742	5775	5812	5829	5801	5786	5986	6037	6051	6120	6197
<i>Percentage Women</i>	12	13	13	14	14	14	15	16	16	17	17	17	18	19
Nontenured	1576	1598	1681	1770	1837	1996	1989	2359	2423	2646	2850	2777	2868	2985
<i>Percentage Women</i>	25	25	27	28	27	27	29	29	28	29	28	30	31	31
Part-time faculty	1143	1165	1154	1118	1099	1174	1334	1380	1380	1354	1398	1377	1395	1384
<i>Percentage Women</i>	37	37	39	38	38	36	32	32	32	32	32	32	39	40
Group Masters														
Doctoral full-time faculty														
Tenured/ tenure-eligible	3325	3403	3208	3124	3143	3154	3192	2984	2928	2828	2828	2696	2773	2924
<i>Percentage Women</i>	25	26	27	27	28	28	29	28	28	28	29	29	30	30
Nontenured	232	232	220	236	245	275	331	470	419	439	504	418	499	504
<i>Percentage Women</i>	38	32	31	38	39	38	41	34	33	33	34	38	36	34
Part-time faculty	1868	1824	1802	1781	1762	2084	2128	2197	1902	1918	2061	2182	2175	2260
<i>Percentage Women</i>	39	42	44	43	42	44	43	43	43	43	43	43	41	41

Group Bachelors														
Doctoral full-time faculty														
Tenured/ tenure-eligible	6427	6733	6914	6783	6594	6605	6533	6321	6165	6246	6227	6380	5859	6140
<i>Percentage Women</i>	<i>27</i>	<i>25</i>	<i>29</i>	<i>29</i>	<i>29</i>	<i>29</i>	<i>30</i>	<i>32</i>	<i>31</i>	<i>31</i>	<i>31</i>	<i>32</i>	<i>33</i>	<i>33</i>
Nontenured	363	532	636	521	672	685	438	997	1037	1134	1216	1452	1132	649
<i>Percentage Women</i>	<i>33</i>	<i>26</i>	<i>28</i>	<i>23</i>	<i>34</i>	<i>33</i>	<i>26</i>	<i>33</i>	<i>34</i>	<i>33</i>	<i>35</i>	<i>35</i>	<i>35</i>	<i>40</i>
Part-time faculty	4053	3703	3614	3167	3087	3649	4334	4437	4402	4345	4789	4789	4326	4913
<i>Percentage Women</i>	<i>43</i>	<i>46</i>	<i>43</i>	<i>47</i>	<i>43</i>	<i>41</i>	<i>42</i>	<i>46</i>	<i>43</i>	<i>44</i>	<i>44</i>	<i>44</i>	<i>44</i>	<i>46</i>

Table FF.5 Faculty by Department Grouping and Position

Department Grouping	Women Faculty		Men Faculty	
	Number	Percent	Number	Percent
Doctoral Math Public Large	735	24	2,318	76
Tenured/Tenure-Eligible	236	16	1,195	84
Non-Tenure-Eligible	212	40	320	60
Other Full-time (<i>Post-doc, Visiting</i>)	107 (103, 4)	24 (25, 14)	338 (314, 24)	76 (75, 86)
Part-time	73	37	127	64
Doctoral Math Public Medium	815	28	2,098	72
Tenured/Tenure-Eligible	243	18	1,093	82
Non-Tenure-Eligible	290	46	341	54
Other Full-time (<i>Post-doc, Visiting</i>)	76 (67, 9)	25 (24, 32)	228 (209, 19)	75 (76, 68)
Part-time	130	38	208	62
Doctoral Math Public Small	1,101	33	2,205	67
Tenured/Tenure-Eligible	381	22	1,362	78
Non-Tenure-Eligible	425	52	391	48
Other Full-time (<i>Post-doc, Visiting</i>)	30 (23, 6)	25 (24, 26)	88 (71, 17)	75 (76, 74)
Part-time	236	46	276	54
Doctoral Math Private Large	224	15	1,304	85
Tenured/Tenure-Eligible	93	14	573	86
Non-Tenure-Eligible	41	31	92	69
Other Full-time (<i>Post-doc, Visiting</i>)	69 (68, 1)	19 (2, 7)	302 (289, 13)	81 (98, 93)
Part-time	14	29	35	71
Doctoral Math Private Small	277	25	852	75
Tenured/Tenure-Eligible	98	18	450	82
Non-Tenure-Eligible	71	39	111	61
Other Full-time (<i>Post-doc, Visiting</i>)	26 (20, 5)	20 (20, 19)	101 (80, 21)	80 (80, 81)
Part-time	57	39	89	61
Doctoral Applied Math	285	26	824	74
Tenured/Tenure-Eligible	105	21	404	79

Department Grouping	Women Faculty		Men Faculty	
	Number	Percent	Number	Percent
Non-Tenure-Eligible	84	38	135	62
Other Full-time (<i>Post-doc, Visiting</i>)	27 (26, 1)	22 (22, 25)	96 (93, 3)	78 (78, 75)
Part-time	42	31	93	69
Doctoral Statistics	669	33	1,382	67
Tenured/Tenure-Eligible	294	26	825	74
Non-Tenure-Eligible	218	49	225	51
Other Full-time (<i>Post-doc, Visiting</i>)	41 (30, 11)	29 (25, 44)	102 (88, 14)	71 (75, 56)
Part-time	75	37	128	63
Doctoral Biostatistics	617	42	859	58
Tenured/Tenure-Eligible	252	36	440	64
Non-Tenure-Eligible	177	51	172	49
Other Full-time (<i>Post-doc, Visiting</i>)	59 (53, 7)	47 (45, 78)	66 (64, 2)	53 (55, 22)
Part-time	69	38	115	63
Master's	2,589	38	4,252	62
Tenured/Tenure-Eligible	920	31	2074	69
Non-Tenure-Eligible	714	49	741	51
Other Full-time (<i>Post-doc, Visiting</i>)	16 (16, 0)	24 (30, 0)	50 (37, 13)	76 (70, 100)
Part-time	923	41	1,337	59
Bachelor's	6,090	41	8,636	59
Tenured/Tenure-Eligible	2,156	33	4,281	67
Non-Tenure-Eligible	1,430	47	1,629	53
Other Full-time (<i>Post-doc, Visiting</i>)	130 (99, 31)	70 (70, 69)	57 (43, 14)	30 (30, 31)
Part-time	2,244	46	2,612	54
TOTAL FACULTY FOR FALL 2019	13,402	35	24,730	65
Total Tenured/Tenure-Eligible	4,778	27	12,697	73
Total Non-Tenure-Eligible	3,662	47	4,157	53
Total Other Full-time (<i>Post-doc, Visiting</i>)	581	29	1,428	71
Total Part-time	443	26	1,288	74

Table DC.1: Department Chairs by Gender 2020

Department grouping	Women Chairs		Men Chairs	
	Number	Percent	Number	Percent
Doctoral Math Public Large	3	18	14	82
Doctoral Math Public Medium	6	19	25	81
Doctoral Math Public Small	6	12	46	88
Doctoral Math Private Large	0	0	18	100
Doctoral Math Private Small	3	18	14	82
Doctoral Applied Math	2	9	20	91
Doctoral Statistics	14	24	45	76
Doctoral Biostatistics	11	26	32	74
Master's	13	22	45	78
Bachelor's	102	36	181	64
TOTAL	160	27	440	73

Note: Data for this table were not imputed.

Table GE.1: Graduate Course Enrollment per Full-time Tenured and Tenure-eligible Faculty Member, Fall 2020

Category	Math Public Large	Math Public Medium	Math Public Small	Math Private Large	Math Private Small	Applied Math	Masters	Bachelors	Statistics	Biostatistics
Graduate Enrollment	9	13	10	13	6	18	7	-	34	32
Standard error	1	2	1	1	1	3	0	-	3	4

Table GE.2: Graduate Course Enrollments (Thousands) by Department Grouping, 2015-2020

Year	Math Public Large	Math Public Medium	Math Public Small	Math Private Large	Math Private Small	Applied Math	Masters	Statistics	Biostatistics	Total
2015	11	11	12	7	4	6	16	25	18	110
2016	12	11	13	7	4	6	13	30	18	113
2017	11	11	13	7	3	7	12	33	19	117
2018	12	9	11	6	2	6	7	23	13	89
2019	12	14	12	7	2	6	13	31	17	114
2020	11	13	12	8	2	7	13	29	18	112
Standard error	1	2	1	1	0	1	1	3	3	7

Table GE.3: Graduate Course Enrollment per Full-Time Tenured and Tenure-eligible Faculty Member, Fall 2015-2020

Year	Math Public Large	Math Public Medium	Math Public Small	Math Private Large	Math Private Small	Applied Math	Masters	Bachelors	Statistics	Biostatistics
2015	8	8	8	11	6	15	5	-	29	32
2016	8	8	8	10	7	16	5	-	30	30
2017	8	8	8	11	5	19	4	-	33	32
2018	8	8	7	11	5	19	4	-	33	32
2019	8	10	7	11	4	16	5	-	30	27
2020	9	13	10	13	6	18	7	-	34	32

Table GS.1: Graduate Students, Fall 2020

	Math Public Large	Math Public Medium	Math Public Small	Math Private Large	Math Private Small	Applied Math	All Doctoral Math	Masters	All Math	Statistic s	Biostatistics	All Stats	Total All Groups
Total Graduate Students													
Full-time	3292	2971	2797	1959	853	1924	13796	2584	16380	5667	2465	8132	24512
Standard error	211	194	222	246	118	247	678	183	1090	590	276	680	1435
First-year full-time	665	706	717	485	285	568	3426	952	4378	1680	844	2524	6902
Standard error	73	55	67	105	62	98	207	75	304	192	113	227	430
Part-time	128	398	632	209	165	444	1976	1707	3683	1396	435	1831	5514
Standard error	49	86	101	98	48	140	228	174	325	336	113	361	505
Women Graduate Studies													
Full-time	864	921	975	568	267	674	4269	1164	5433	2326	1411	3737	9170
First-year full-time	183	268	298	157	118	209	1233	415	1648	735	534	1269	2917
Part-time	43	152	193	27	64	113	592	792	1384	462	205	667	2051
US Citizen & Permanent Residents Graduate Students													
Full-time	1802	1744	1641	776	436	1038	7437	2210	9647	2058	1245	3303	12950
Standard error	170	138	138	68	45	120	378	168	615	190	142	239	702
First-year full-time	337	456	484	160	186	322	1945	823	2768	706	403	1109	3877
Part-time	106	322	539	126	140	327	1560	1867	3427	1184	354	1538	4965

Non-US Citizen Graduate Students													
Full-time	1525	1227	1202	1183	434	896	6467	655	7122	3613	1277	4890	12012
Standard error	144	135	129	219	89	190	440	75	594	505	172	555	908
First-year full-time	327	266	262	325	128	256	1564	267	1831	1015	465	1480	3311
Part-time	21	77	120	84	34	99	435	208	643	229	80	309	952
Standard error	10	20	19	43	13	38	67	29	77	43	21	49	94

Table GS.2: Full-Time Graduate Students in All Doctoral Mathematical Departments Combined by Gender and Citizenship, Fall 2011-2020

Year	Total full-time graduate students	Women	% Women	% US Citizen & Permanent Residents	% Underrepresented minorities	Total full-time first-year graduate students	Women (first-year)	% Women (first-year)	% US Citizen & Permanent Residents (first-year)	% Underrepresented minorities (first-year)
2011	12514	3773	30	56	8	3288	1077	33	50	9
2012	12684	3771	30	54	8	3394	1036	31	54	7
2013	12961	3969	31	53	9	3623	1205	33	53	10
2014	13023	3925	30	55	11	3551	1193	34	55	13
2015	13431	4039	30	53	15	3646	1188	33	53	14
2016	13702	4146	30	52	13	3704	1200	32	52	12
2017	13896	4233	30	52	13	3701	1279	35	52	14
2018	14179	4201	30	51	14	3698	1237	33	51	14
2019	13683	4205	31	52	7	3664	1292	35	50	7
2020	13795	4269	31	54	7	3425	1235	36	57	8

Table GS.3: Citizenship of Graduate Students by Department Grouping, Fall 2020

	Math Public Large	Math Public Medium	Math Public Small	Math Private Large	Math Private Small	Applied Math	All Doctoral Math	Masters	All Math	Statistics	Biostatistics	All Stats	Total All Groups
Total Full-time Graduate Students	3328	2971	2843	1959	870	1934	13905	2865	16770	5670	2522	8192	24962
Standard error	211	194	222	246	118	247	678	183	1090	590	276	680	1435
US Citizen & Permanent Residents	1803	1744	1641	776	436	1038	7439	2210	9649	2058	1245	3303	12951
Non-US Citizen	1525	1226	1202	1183	434	896	6466	655	7121	3613	1277	4889	12010
Total First-year Graduate Students	665	722	746	485	314	578	3509	1090	4599	1721	868	2589	7188
Standard error	73	55	67	103	62	98	207	75	304	192	113	227	430
US Citizen & Permanent Residents	337	456	484	160	186	322	1944	823	2768	706	403	1108	3876
Non-US Citizen	327	266	262	325	128	256	1564	267	1831	1015	465	1480	???
Total Part-time Graduate Students	127	399	658	210	174	456	2024	2075	4098	1413	434	1847	5945
Standard Error	49	86	101	99	48	140	228	174	325	336	102	361	505
US Citizen & Permanent Residents	106	322	539	126	140	357	1590	1867	3456	1184	354	1538	4994
Non-US Citizen	21	77	120	84	34	99	434	208	642	229	80	309	951

Table MD.1: Master's Degrees Awarded, 2019-2020* by Type of Degree-Granting Department Grouping

	Math Public Large	Math Public Medium	Math Public Small	Math Private Large	Math Private Small	Applied Math	Masters	All Math	Statistics	Biostatistics	Statistics & Biostatistics	Total All Groups
Total Masters Degrees												
Degrees Awarded	528	697	872	511	289	726	1978	5601	2932	900	3832	9433
Standard Error	85	64	83	146	46	134	126	352	365	96	402	591
Mathematics	381	441	580	408	179	354	1090	3433	281	240	521	3954
Math Education	14	50	49	3	21	14	329	480	9	17	26	506
Statistics only	59	94	170	53	43	189	281	889	2243	264	2507	3396
Computer Science only	12	21	4	29	7	13	116	202	8	7	15	217
Other	62	91	69	18	39	156	162	597	391	372	763	1360
Women Master's Degrees												
Degrees Awarded	160	269	348	192	98	338	931	2336	1342	486	1828	4164
Mathematics	113	172	209	133	55	104	436	1222	92	101	193	1415
Math Education	8	20	33	4	13	11	217	306	6	9	15	321
Statistics only	20	45	75	39	16	157	144	496	1059	159	1218	1714
Computer Science only	2	6	2	5	2	3	60	80	6	4	10	90
Other	17	26	29	11	12	63	74	232	179	213	392	624

*Degrees awarded between July 1, 2019 and June 30, 2020.

Table MD.2: Master's Degrees Awarded by Gender and Department Grouping for 2018-2020

Department Grouping and Gender	Master's Degrees Conferred in 2018		Master's Degrees Conferred in 2019		Master's Degrees Conferred in 2020	
	Number	Percent	Number	Percent	Number	Percent
Doctoral Math Public Large	440	6	453	6	466	3
Women	136	31	158	35	151	32
Men	304	69	295	65	315	68
Doctoral Math Public Medium	578	8	604	8	669	5
Women	245	42	242	40	255	38
Men	333	58	362	60	414	62
Doctoral Math Public Small	819	11	820	11	895	6
Women	327	40	302	37	364	41
Men	492	60	518	63	531	59
Doctoral Math Private Large	463	6	471	6	452	3
Women	148	32	175	37	147	33
Men	315	68	296	63	305	67
Doctoral Math Private Small	207	3	202	3	240	2
Women	72	35	68	34	83	35
Men	135	65	134	66	157	65
Doctoral Applied Math	576	8	642	8	617	4
Women	219	38	222	35	189	31
Men	357	62	420	65	428	69
Doctoral Statistics	2,161	29	2,177	28	2,479	17

Department Grouping and Gender	Master's Degrees Conferred in 2018		Master's Degrees Conferred in 2019		Master's Degrees Conferred in 2020	
	Number	Percent	Number	Percent	Number	Percent
Women	994	46	973	45	1,155	47
Men	1167	54	1,204	55	1,324	53
Doctoral Biostatistics	444	6	454	6	613	4
Women	262	59	262	58	348	57
Men	182	41	192	42	265	43
Master's	1,648	22	1,688	22	1,821	12
Women	747	45	772	46	840	46
Men	901	55	916	54	981	54
TOTAL MASTER'S DEGREES CONFERRED	7,336	100	7,511	100	8,252	100
Total Women Degree-Earners	3,150	43	3,174	42	3,532	43
Total Men Degree-Earners	4,186	57	4,337	58	4,720	57

Table MD.3: Master's Degrees Awarded, All Mathematics Combined for 2011-2020*

Academic Year	Total Master's Degrees Awarded	Women Master's Degrees Awarded	Percentage Women
2010-2011	4423	1745	39
2011-2012	4370	1728	40
2012-2013	4619	1735	38
2013-2014	4548	1845	41
2014-2015	5087	2009	39
2015-2016	5360	2034	38
2016-2017	4669	1768	38
2017-2018	4731	1894	40
2018-2019	5552	1949	35
2019-2020	5601	2236	40

*Degrees awarded between July 1, 2019 and June 30, 2020.

Table NF.1: Nondoctoral Full-Time Faculty, Fall 2020

Full-time Faculty	GROUP												
	All Doctoral Math Combined			Masters & Bachelors			Statistics & Biostatistics			Total			
	Men	Women	Other	Men	Women	Other	Men	Women	Other	All	Men	Women	Other
Without a Doctorate	421	511	2	1378	1608	17	90	103	0	4130	1889	2222	19
Tenured	10	6	0	176	113	4	9	3	0	321	195	122	4
Full professors	0	2	0	51	42	2	2	1	0	100	53	45	2
Other	10	4	0	125	71	2	7	2	0	221	142	77	2
Tenure-eligible (without tenure)	16	5	0	43	54	0	4	2	0	124	63	61	0
Non-tenure track	395	500	2	1159	1441	13	77	98	0	3685	1631	2039	15
Renewable appointments	313	438	1	880	1217	12	54	71	0	2986	1247	1726	13
Fixed-term appointments	67	53	0	172	160	0	9	17	0	478	248	230	0
Other appointments	15	9	1	107	64	1	14	10	0	221	136	83	2

Table UD.1: Undergraduate Degrees Awarded, 2019-2020* by Type of Degree-Granting Department Grouping

	Math Public Large	Math Public Medium	Math Public Small	Math Private Large	Math Private Small	Applied Math	Doctoral Math Combine d	Master' s	Bachelor 's	All Math Combine d	Statisti cs	Bio- statisti cs	Statistics & Biostatistic s Combined	Total All Groups Combined
Total Undergraduate Degrees														
Degrees Awarded	5371	3249	3168	1776	1458	2212	17234	5462	15197	37893	3312	108	3420	41313
Standard error	1160	307	257	270	165	600	1566	374	543	1887	451	29	512	1954
Mathematics	4233	2717	2486	1694	1246	1375	13751	3651	8492	25894	297	30	327	26221
Math Education	111	102	210	1	7	49	480	415	1257	2152	29	5	34	2186
Statistics only	239	97	123	8	54	41	562	398	323	1283	2602	20	2622	3905
Computer Science only	619	65	95	45	91	452	1367	743	3822	5932	118	7	125	6057
Other	169	268	254	28	60	295	1074	255	1303	2632	266	46	312	2944
Women Undergraduate Degrees														
Degrees Awarded	1929	1202	1320	652	584	886	6573	2487	6408	15468	1319	54	1373	16841
Standard error	276	130	123	126	72	232	600	158	236	732	184	19	208	761
Mathematics	1508	978	1020	603	487	536	5132	1770	3744	10646	97	9	106	10752
Math Education	57	57	125	1	5	37	282	254	827	1363	21	2	23	1386
Statistics only	107	51	59	4	24	17	262	138	130	530	1045	9	1054	1584
Computer Science only	184	8	30	11	39	83	355	244	1304	1903	49	3	52	1955
Other	73	108	86	33	29	213	542	81	403	1026	107	31	138	1164

*Degrees awarded between July 1, 2019 and June 30, 2020.

Table UD.2: Undergraduate Degrees Awarded, All Mathematics Combined for 2012-2020*

Academic Year	Total Undergraduate Degrees Awarded	Women Undergraduate Degrees Awarded	Percentage Women
2011-2012	26761	10980	41
2012-2013	28423	11737	41
2013-2014	28277	11706	41
2014-2015	29101	11879	41
2015-2016	32382	12800	40
2016-2017	33862	13052	39
2017-2018	34127	13934	41
2018-2019	34795	14217	41
2019-2020	31248	13448	43

*Degrees awarded between July 1, 2019 and June 30, 2020.

Table UD.3 Undergraduate Degrees Awarded by Gender and Department Grouping

Departmental Group and Gender	Undergraduate Degrees Conferred in 2018		Undergraduate Degrees Conferred in 2019		Undergraduate Degrees Conferred in 2020	
	Number	Percent	Number	Percent	Number	Percent
Doctoral Math Public Large	4,975	14	4,371	13	5,326	13
Women	1,796	36	1,611	37	1,915	36
Men	3,179	64	2,760	63	3,411	64
Doctoral Math Public Medium	3,071	8	3,251	9	3,229	8
Women	1,175	38	1,236	38	1,196	37
Men	1,896	62	2,015	62	2,033	63
Doctoral Math Public Small	2,862	8	2,746	8	3,132	8
Women	1,090	38	1,139	41	1,308	42
Men	1,772	62	1,607	59	1,824	58
Doctoral Math Private Large	1,882	5	1,602	5	1,756	4
Women	648	34	551	34	627	36
Men	1,234	66	1,051	66	1,129	64
Doctoral Math Private Small	1,268	3	1,190	3	1,382	3
Women	500	39	448	38	544	39
Men	768	61	742	62	838	61
Doctoral Applied Math	1,026	3	1,248	4	2,075	5
Women	343	33	436	35	814	39
Men	683	67	812	65	1,261	61

Doctoral Statistics	2,242	6	2,484	7	2,898	7
Women	917	41	1,033	42	1,180	41
Men	1,325	59	1,451	58	1,718	59
Doctoral Biostatistics	58	0	44	0	52	0
Women	32	55	24	55	36	69
Men	26	45	20	45	16	31
Masters	4,698	13	5,142	15	5,454	14
Women	2,181	46	2,281	44	2,386	44
Men	2,517	54	2,861	56	3,068	56
Bachelors	14,345	39	12,534	36	14,400	36
Women	6,201	43	5,370	43	6,032	42
Men	8,144	57	7,164	57	8,368	58
TOTAL UNDERGRADUATE DEGREES CONFERRED	36,427	100	34,612	100	39,704	100
Total Women Degree-Earners	14,883	41	14,129	41	16,038	40
Total Men Degree-Earners	21,544	59	20,483	59	23,666	60

Table UE.1: Undergraduate Enrollment per Full-time Faculty Member

	Math Public Large	Math Public Medium	Math Public Small	Math Private Large	Math Private Small	Applied Math	Master's	Bachelor's	Statistics	Biostatistics
Undergraduate Course Enrollment	109	136	129	43	83	93	116	84	88	4
Standard error	9	16	5	4	9	11	3	1	7	3

Table UE.2: Undergraduate Course Enrollment (Thousands) by Department Grouping, 2014-2020

Year	Math Public Large	Math Public Medium	Math Public Small	Math Private Large	Math Private Small	Applied Math	Master's	Bachelor's	Statistics	Biostatistics	Total
2014	232	274	301	48	67	43	554	854	102	5	2480
2015	242	282	306	49	73	43	538	882	99	4	2518
2016	243	283	320	49	75	44	510	849	109	4	2486
2017	243	287	340	48	67	44	503	875	118	4	2529
2018	248	276	351	50	74	44	511	869	131	5	2558
2019	252	285	328	50	70	67	501	539	131	5	2228
2020	258	304	340	50	67	77	521	773	143	5	2538
Standard error	25	38	23	5	7	13	26	27	12	2	97

Table UE.3: Undergraduate Course Enrollment per Full-time Faculty Member, Fall 2014-2020

Year	Math Public Large	Math Public Medium	Math Public Small	Math Private Large	Math Private Small	Applied Math	Master's	Bachelor's	Statistics	Biostatistics
2014	107	137	134	44	80	71	124	94	80	5
2015	110	138	134	44	85	76	124	98	81	4
2016	106	133	132	43	87	75	120	92	79	3
2017	103	133	138	41	78	67	116	95	84	4
2018	105	127	142	43	86	66	118	93	94	6
2019	112	125	126	41	86	95	116	64	68	4
2020	109	136	129	43	83	93	116	84	88	4