

TABLE E.1 Bachelors degrees in mathematics, mathematics education, statistics, and computer science in mathematics departments and in statistics departments awarded between July 1, 2009 and June 30, 2010, by gender of degree recipient and type of department.

Bachelors degrees in Math and Stat Depts	Mathematics Departments				Statistics Departments			Total Math & Stat Depts
	Univ (PhD)	Univ (MA)	Coll (BA)	Total Math Depts	Univ (PhD)	Univ (MA)	Total Stat Depts	
Mathematics majors (including Act. Sci., Oper Res, and joint degrees)								
Men	4735	1099	2685	8519				8519
Women	2568	866	2482	5916				5916
<i>Percentage of women</i>	35%	44%	48%	41%				41%
Total Math degrees	7303	1965	5167	14435				14435
Mathematics Education Majors								
Men	229	500	608	1337				1337
Women	341	896	1040	2277				2277
<i>Percentage of women</i>	60%	64%	63%	63%				63%
Total Math Ed degrees	570	1396	1648	3614				3614
Statistics Majors								
Men	117	29	43	189	291	213	504	693
Women	99	41	25	165	190	144	334	499
<i>Percentage of women</i>	46%	59%	37%	47%	40%	40%	40%	42%
Total Stat degrees	216	70	68	354	481	357	838	1192
Computer Science majors								
Men	231	162	1350	1743				1743
Women	39	23	332	394				394
<i>Percentage of women</i>	14%	12%	20%	18%				18%
Total CS degrees	270	185	1682	2137				2137
Total degrees - Men	5312	1790	4686	11788	291	213	504	12291
Total degrees - Women	3047	1826	3879	8752	190	144	334	9086
<i>Percentage of women</i>	36%	50%	45%	43%	40%	40%	40%	43%
Total all degrees	8358	3616	8565	20540	481	357	838	21377

Note: Round-off may make row and column sums seem inaccurate.

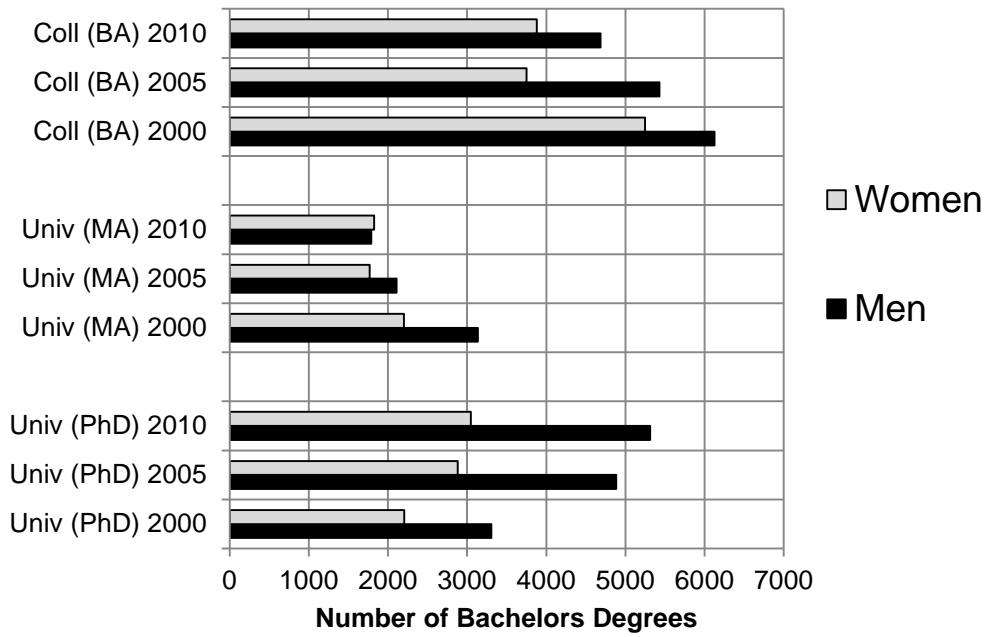


FIGURE E.1.1 Bachelors degrees in mathematics departments awarded between July 1 and June 30 in the academic years 1999-2000, 2004-2005, and 2009-2010, by gender and type of department.

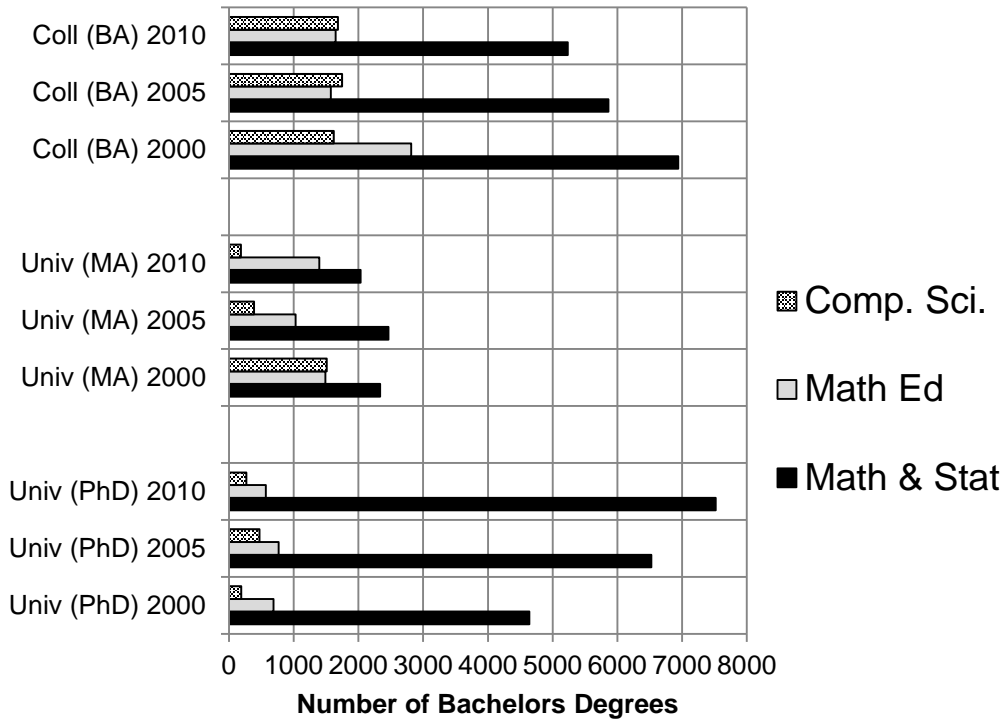


FIGURE E.1.2 Number of bachelors degrees granted in academic years 1999-2000, 2004-2005, and 2009-2010 by type of major and type of department.

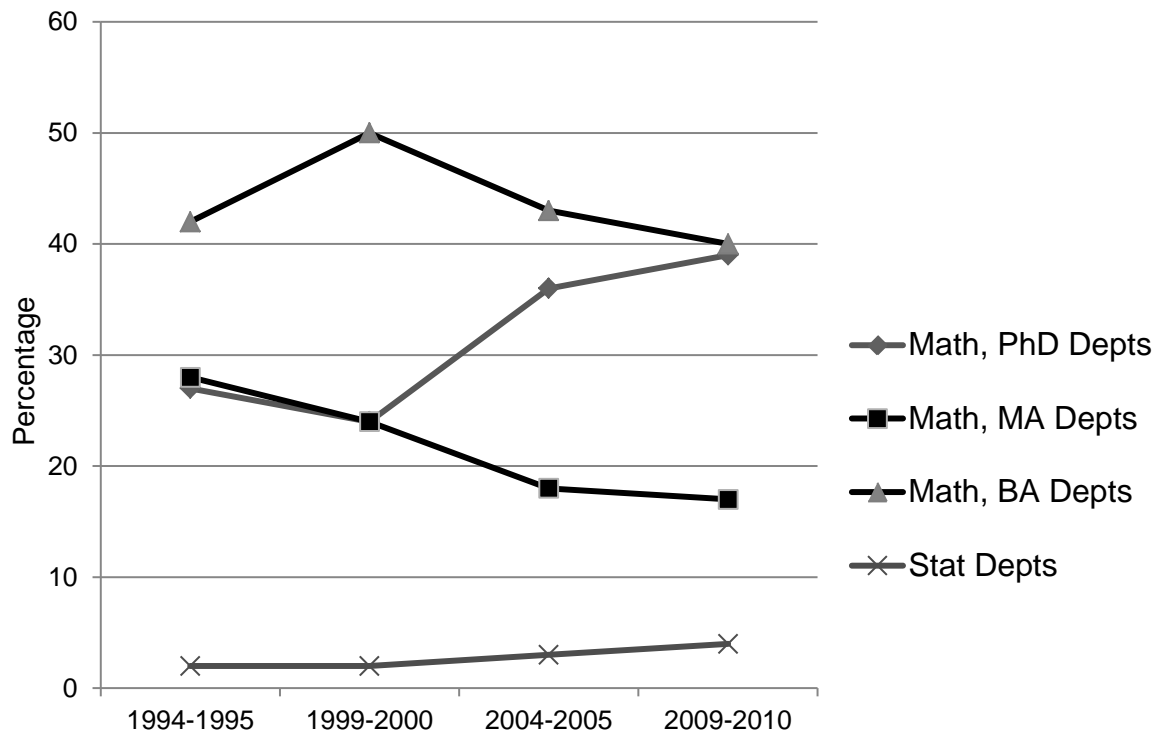


FIGURE E.1.3 Percentage of mathematical sciences bachelors degrees (including computer science) awarded through mathematics and statistics departments of various kinds in academic years 1994-1995, 1999-2000, 2004-2005, and 2009-2010.

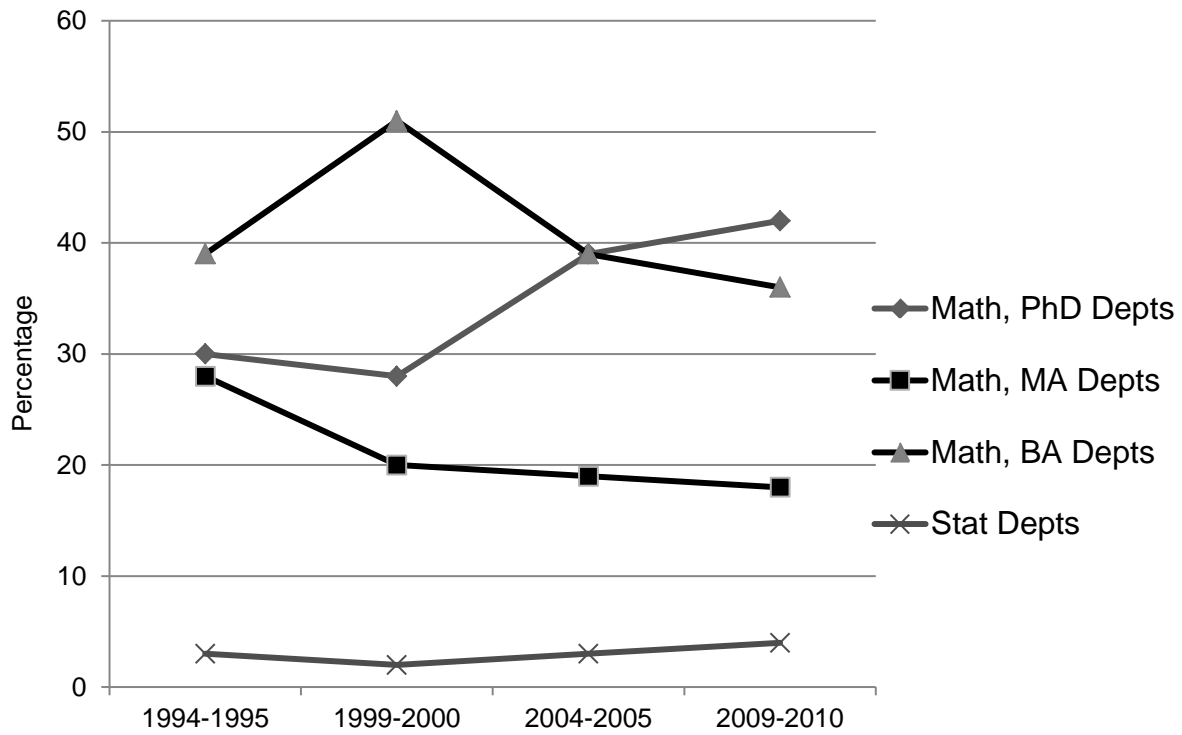


FIGURE E.1.4 Percentage of mathematical sciences bachelors degrees (excluding computer science) awarded through mathematics and statistics departments of various kinds in academic years 1994-1995, 1999-2000, 2004-2005, and 2009-2010.

TABLE E.2 Enrollment (in thousands) in undergraduate mathematics, statistics, and computer science courses (including distance-learning enrollments) in mathematics and statistics departments by level of course and type of department, in fall 2010. Numbers in parentheses are (2000, 2005) enrollments.

	Fall 2010 (2000, 2005) enrollments (in 1000s)						
	Mathematics Departments				Statistics Departments		
	Univ (PhD)	Univ (MA)	Coll (BA)	Total Math Depts	Univ (PhD)	Univ (MA)	Total Stat Depts
Mathematics Courses							
Precollege	57 (59,55)	64 (59,60)	88 (101,87)	209 (219,201)			
Introductory (incl. Precalc)	299 (258,269)	214 (227,190)	350 (238,248)	863 (723,706)			
Calculus level	383 (302,345)	145 (131,88)	221 (137,154)	748 (570,587)			
Advanced Mathematics	64 (43,52)	39 (24,24)	47 (35,36)	150 (102,112)			
Total Math courses	803 (662,720)	462 (441,362)	706 (511,525)	1971 (1614,1607)			
Statistics Courses							
Elementary Statistics	51 (38,30)	40 (35,32)	140 (63,86)	231 (136,148)	54 (46,42)	27 (8,13)	81 (54,54)
Upper Statistics	15 (12,15)	6 (12,9)	11 (11,10)	32 (35,34)	15 (17,20)	12 (3,3)	28 (20,24)
Total Stat Courses	66 (50,44)	45 (47,42)	151 (74,96)	262 (171,182)	70 (63,62)	39 (11,16)	109 (74,78)
Computer Science Courses							
Lower Computer Science	3 (5,3)	3 (33,11)	50 (52,30)	56 (90,44)			
Middle Computer Science	1 (1,1)	1 (7,1)	9 (9,6)	12 (17,8)			
Upper Computer Science	1 (2,1)	1 (6,1)	8 (8,3)	10 (16,5)			
Total CS courses	5 (8,5)	6 (46,13)	67 (69,39)	77 (123,57)			
Total all courses	874 (720,769)	513 (534,417)	924 (654,659)	2310 (1908,1845)	70 (63,62)	39 (12,18)	109 (75,80)

Note: Beginning in 2010 the CBMS Survey did not include computer science courses taught in statistics departments

Note: Due to round-off, row and column sums may appear inaccurate.

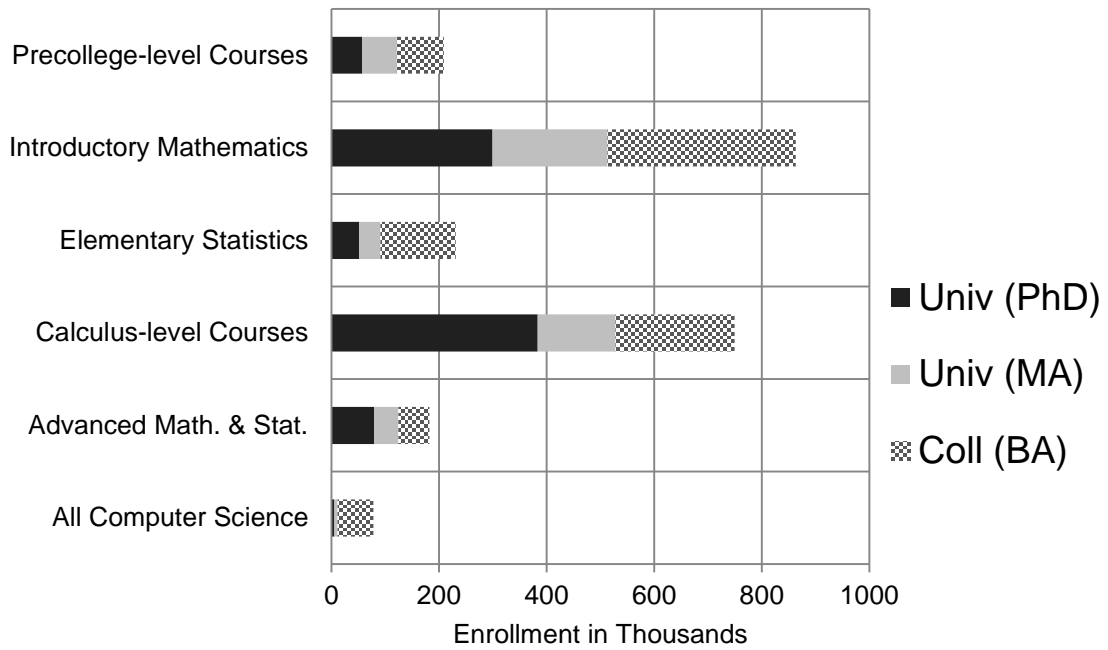


FIGURE E.2.1 Enrollment (in thousands) in undergraduate mathematics, statistics, and computer science courses in four-year college and university mathematics departments by type of course and type of department in fall 2010.

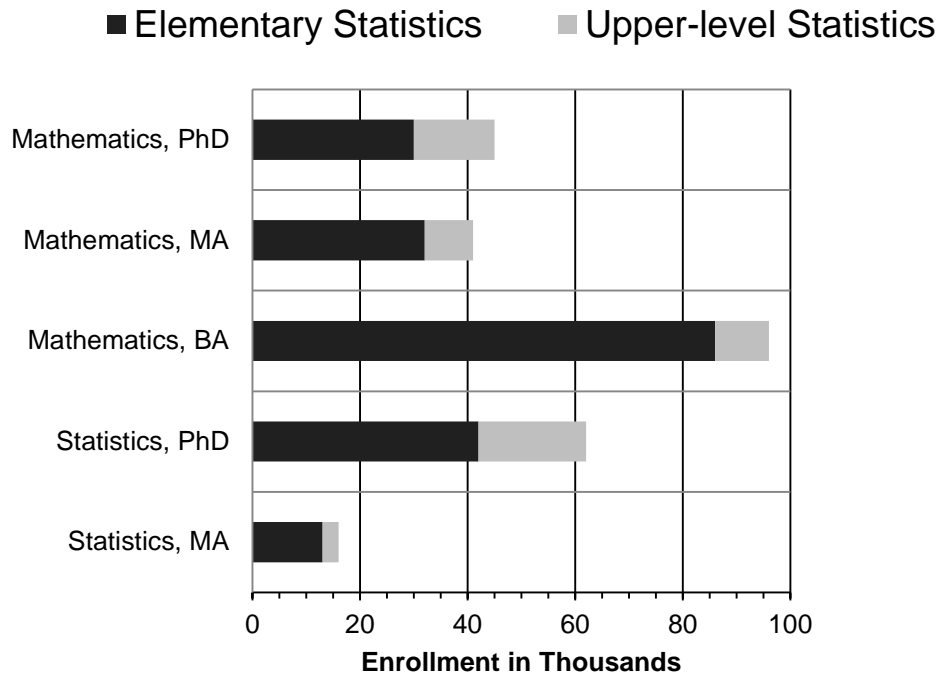


FIGURE E.2.2 Enrollment (in thousands) in undergraduate statistics courses by level of course and type of department in fall 2010.

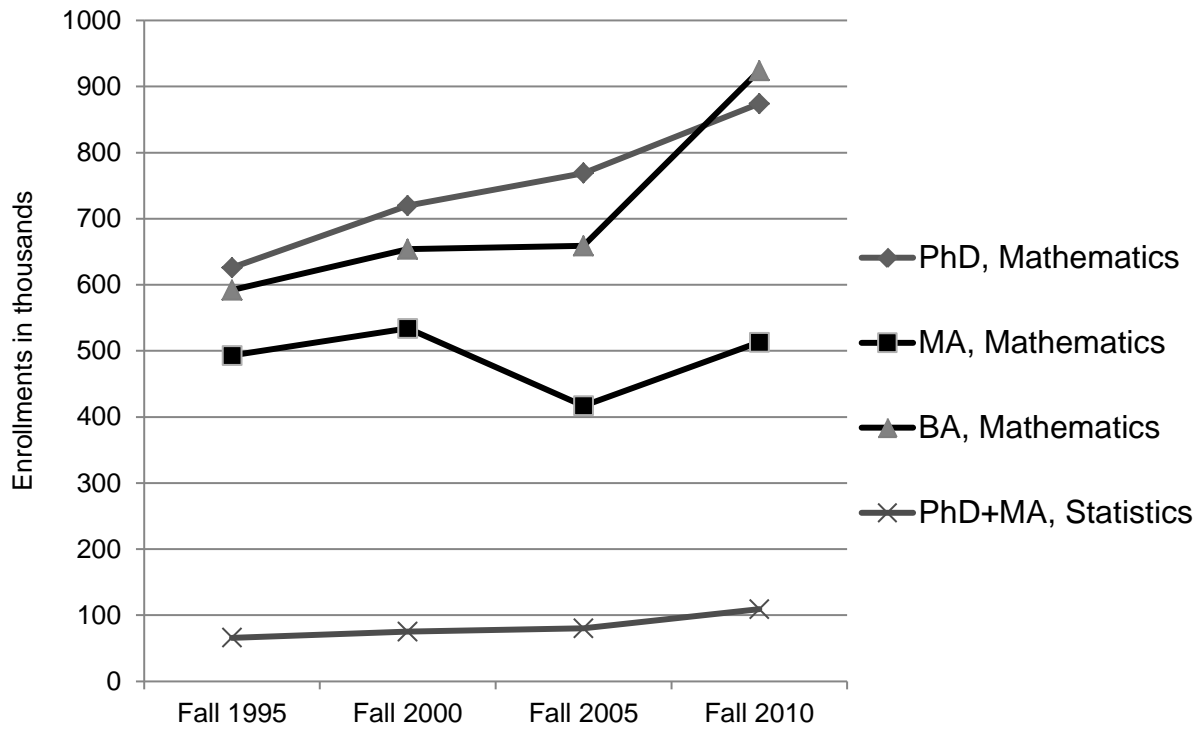


FIGURE E.2.3 Undergraduate enrollment (in thousands) in by type of department in fall 1995, fall 2000, fall 2005, and fall 2010.

TABLE E.3 Number of sections (not including distance-learning) of undergraduate mathematics, statistics, and computer science courses in mathematics and statistics departments by level of course and type of department, in fall 2010 with fall 2005 figures in parentheses.

	Number of sections: Fall 2010 (Fall 2005)						
	Mathematics Departments				Statistics Departments		
	Univ (PhD)	Univ (MA)	Coll (BA)	Total Math Depts	Univ (PhD)	Univ (MA)	Total Stat Depts
Mathematics Courses							
Precollege level	1578 (1363)	2075 (1902)	3699 (3862)	7352 (7126)			
Introductory (incl. Precalc)	6268 (5518)	6556 (5543)	12525 (9895)	25349 (20955)			
Calculus	7976 (7696)	4559 (3237)	9575 (7388)	22110 (18321)			
Advanced Mathematics	3266 (2625)	3304 (1622)	3913 (3507)	10483 (7754)			
Total Math courses	19088 (17202)	16494 (12303)	29712 (24652)	65294 (54157)			
Statistics Courses							
Elementary Statistics	969 (629)	1208 (924)	5014 (3191)	7191 (4744)	1113 (696)	638 (186)	1751 (882)
Upper Statistics	561 (869)	420 (714)	929 (771)	1910 (2354)	461 (499)	447 (156)	907 (654)
Total Stat Courses	1530 (1498)	1628 (1638)	5943 (3962)	9102 (7098)	1573 (1195)	1085 (342)	2658 (1537)
Computer Science Courses							
Lower Computer Science	101 (114)	146 (512)	2230 (1629)	2477 (2254)			
Middle Computer Science	51 (61)	92 (121)	769 (739)	912 (921)			
Upper Computer Science	49 (61)	69 (83)	741 (444)	859 (587)			
Total CS courses	201 (236)	307 (715)	3740 (2811)	4248 (3762)			
Total all courses	20820 (18935)	18428 (14656)	39396 (31425)	78644 (65017)	1573 (1208)¹	1085 (378)¹	2658 (1586)¹

¹ Includes Computer Science sections taught in Statistics departments.

Note: Due to round-off, row and column sums may appear inaccurate.

TABLE E.4 Enrollments in distance-learning courses (meaning courses in which the majority of the instruction occurs with the instructor and the students separated in time and/or space (e.g. courses in which the majority of the course is taught online, or by computer software, by television, or by correspondence)) and other sections for various freshman and sophomore courses, by type of department, in fall 2010. (Fall 2005 data in parenthesis)

	Four-year Mathematics Departments		Two-year Mathematics Departments		Statistics Departments	
	Distance-learning Enrollments	Other Enrollments	Distance-learning Enrollments	Other Enrollments	Distance-learning Enrollments	Other Enrollments
Precollege Level	8106 (2489)	201089 (198760)	87073 (37036)	1062667 (927697)		
College Algebra, Trigonometry, & Pre-Calculus	12021 (5856)	431420 (352591)	40898 (15721)	309272 (298081)		
Calculus I	2159 (593)	332632 (308518)	3504 (3620)	82192 (68919)		
Calculus II	782 (577)	128104 (94858)	285 (270)	30827 (20003)		
Differential Equations & Linear Algebra	862 (238)	115837 (82034)	298 (83)	10473 (7423)		
Elementary Statistics	12368 (3075)	218385 (140077)	23363 (9894)	110910 (107304)	4171 (990)	77153 (44303)

Note: For some distance-learning enrollments in this table, the Standard Error (SE) was very large. See the SE Appendix.

TABLE E.5 Percentage of sections, excluding distance learning, of mathematics, statistics, and computer science courses taught by tenured/tenure-eligible or permanent faculty (TTE)¹, other full-time faculty (OFT), part-time faculty (PT), graduate teaching assistants (GTA), and other unknown (Ukn) in mathematics departments and statistics departments by type of department in fall 2010, with fall 2005 figures in parentheses.

	Percentage of mathematics sections taught by					No. of Math sections	Percentage of statistics sections taught by					No. of Stat sections	Percentage of CS sections taught by					No. of CS sections
	TTE ¹ %	OFT %	PT %	GTA %	Ukn %		TTE ¹ %	OFT %	PT %	GTA %	Ukn %		TTE %	OFT %	PT %	GTA %	Ukn %	
Math Depts																		
Univ (PhD)	33 (35)	24 (24)	14 (14)	17 (21)	13 (6)	19088 (17202)	51 (39)	14 (44)	7 (7)	16 (9)	12 (2)	1530 (1498)	42 (39)	30 (38)	15 (9)	11 (7)	2 (6)	201 (214)
Univ (MA)	46 (45)	17 (20)	21 (22)	6 (8)	11 (6)	16494 (12303)	63 (49)	10 (33)	16 (15)	1 (1)	10 (2)	1628 (1639)	89 (43)	0 (8)	11 (18)	0 (0)	0 (30)	307 (715)
Coll (BA)	57 (54)	11 (20)	23 (23)	0 (1)	10 (3)	29712 (24652)	62 (59)	8 (13)	15 (25)	0 (0)	14 (3)	5943 (3962)	58 (80)	18 (9)	22 (9)	0 (0)	2 (1)	3740 (2811)
Total Math Depts	47 (46)	16 (21)	20 (20)	6 (9)	11 (5)	65294 (54157)	60 (52)	9 (24)	14 (19)	3 (2)	13 (2)	9102 (7099)	60 (70)	17 (11)	21 (11)	1 (0)	2 (7)	4248 (3762)
Stat Depts																		
Univ (PhD)							38 (41)	13 (22)	7 (7)	15 (14)	27 (15)	1573 (1195)						
Univ (MA)							65 (64)	9 (27)	10 (7)	2 (0)	14 (2)	1085 (342)						
Total Stat Depts							49 (46)	11 (23)	8 (7)	10 (11)	22 (12)	2658 (1537)						

¹ Beginning in 2010 the CBMS survey added the word "permanent" to the description "tenured/tenure eligible" that was used previously.

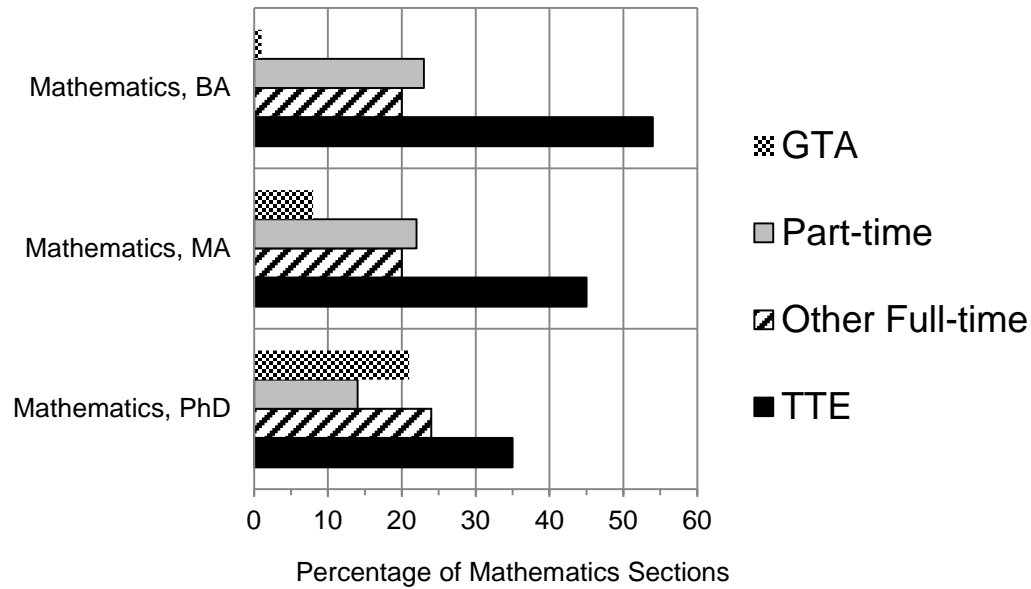


FIGURE E.5.1 Percentage of mathematics sections in mathematics departments whose instructors were tenure/tenure-eligible/permanent (TTE), other full-time faculty, part-time faculty, and graduate teaching assistants (GTA), by type of department in fall 2010. (Percentages may not sum to 100 due to "unknown" instructor percentages.)

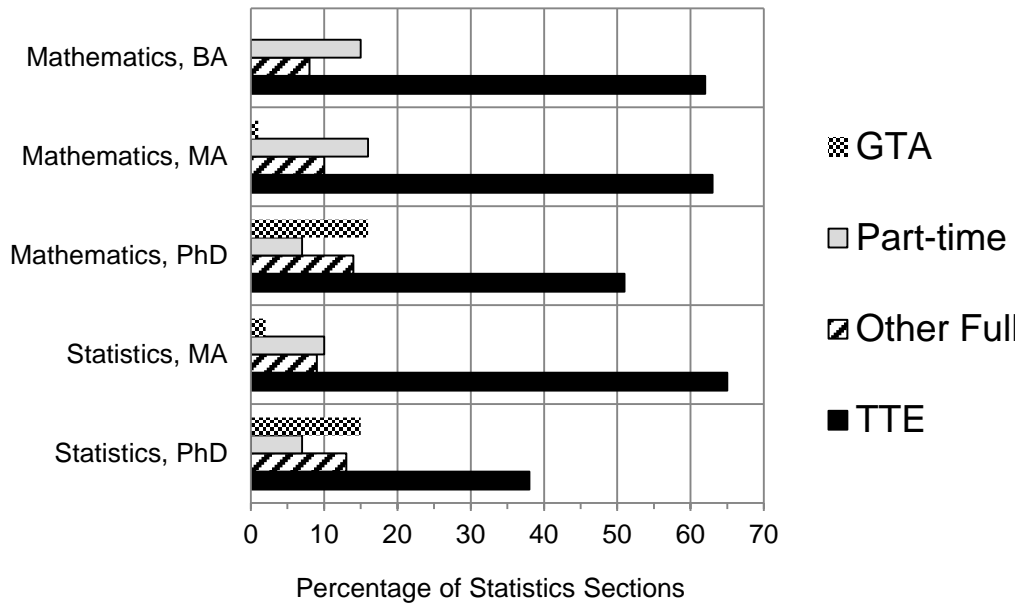


FIGURE E.5.2 Percentage of statistics sections in mathematics and in statistics departments whose instructors were tenure/tenure-eligible/permanent (TTE), other full-time faculty, part-time faculty, and graduate teaching assistants (GTA), by type of department in fall 2010. (Percentages may not sum to 100 due to "unknown" instructor percentages.)

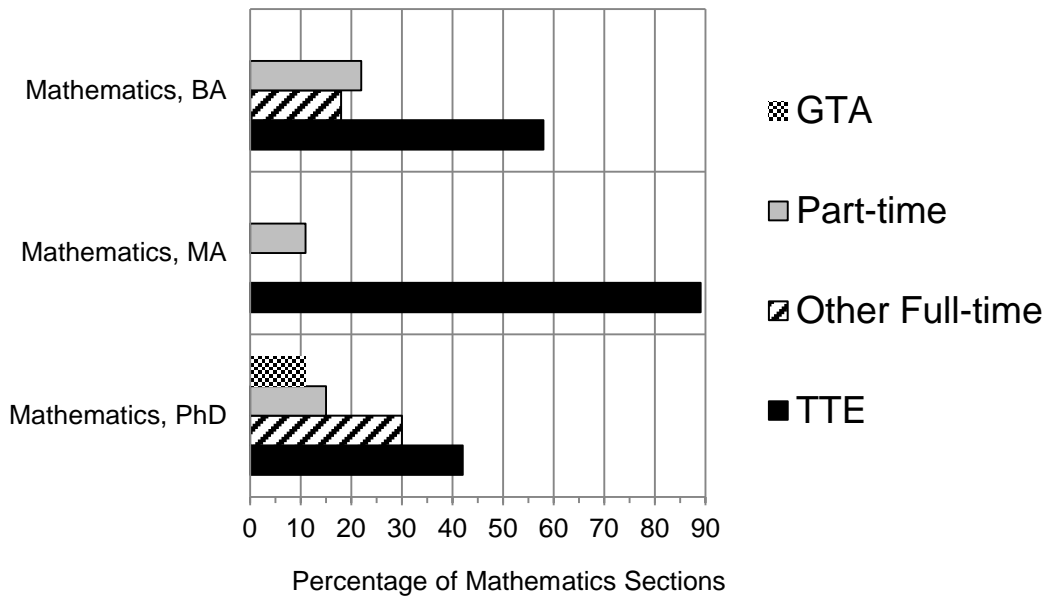


FIGURE E.5.3 Percentage of computer science sections in mathematics departments whose instructors were tenure/tenure-eligible/permanent faculty (TTE), other full-time faculty, part-time faculty, and graduate teaching assistants (GTA), by type of department in fall 2010. (Percentages may not sum to 100 due to "unknown" instructor percentages.)

TABLE E.6 Number of sections, not including distance learning, of precollege-level courses in mathematics departments taught by various types of instructor, by type of department in fall 2010, with fall 2005 figures in parentheses.

	Number of precollege-level sections taught by					Total Sections
	Tenured/ tenure-eligible/ permanent ¹	Other full-time	Part-time	Graduate Teaching Assistant	Unknown	
Mathematics Departments						
Univ (PhD)	31 (29)	353 (346)	666 (579)	365 (376)	162 (66)	1578 (1363)
Univ (MA)	279 (55)	620 (534)	769 (616)	279 (641)	128 (99)	2075 (1902)
Coll (BA)	1043 (576)	461 (1189)	1806 (2091)	27 (23)	362 (192)	3699 (3862)
Total	1353 (660)	1434 (2069)	3241 (3286)	671 (1040)	652 (357)	7352 (7126)

Note: Round-off may make row and column sums seem inaccurate

¹ Beginning in 2010 the CBMS survey added the word "permanent" to the description "tenured/tenure eligible" that was used previously.

TABLE E.7 Number of sections (excluding distance learning) of introductory-level courses (including precalculus) in mathematics departments taught by various types of instructors, by type of department in fall 2010, with fall 2005 figures in parentheses.

	Number of introductory-level sections taught by					Total Sections
	Tenured/ tenure-eligible/ permanent ¹	Other full-time	Part-time	Graduate Teaching Assistant	Unknown	
Mathematics Departments						
Univ (PhD)	636 (588)	2128 (1798)	1123 (1176)	1616 (1902)	766 (394)	6268 (5517)
Univ (MA)	2073 (1849)	1611 (1570)	2058 (1657)	485 (295)	329 (369)	6556 (5543)
Coll (BA)	5529 (4079)	1891 (2808)	3761 (2998)	0 (0)	1344 (432)	12525 (9895)
Total	8238 (6517)	5631 (6175)	6942 (5831)	2100 (2196)	2438 (1196)	25349 (20955)

¹ Beginning in 2010 the CBMS survey added the word "permanent" to the description "tenured/tenure eligible" that was used previously.

TABLE E.8 Number of sections (excluding distance learning) of calculus-level courses in mathematics departments taught by various types of instructor, by type of department in fall 2010, with fall 2005 figures in parentheses.

	Number of calculus-level sections taught by					Total Sections
	Tenured/ tenure-eligible/ permanent ¹	Other full-time	Part-time	Graduate Teaching Assistant	Unknown	
Mathematics Departments						
Univ (PhD)	3120 (3199)	2057 (3015)	789 (726)	1289 (1261)	721 (650)	7976 (7696)
Univ (MA)	3080 (2196)	495 (534)	611 (402)	160 (16)	213 (249)	4559 (3237)
Coll (BA)	6743 (5754)	839 (1426)	1223 (520)	0 (107)	771 (108)	9575 (7388)
Total	12943 (11149)	3391 (4976)	2622 (1648)	1448 (1384)	1705 (1006)	22110 (18321)

¹ Beginning in 2010 the CBMS survey added the word "permanent" to the description "tenured/tenure eligible" that was used previously.

TABLE E.9 Number of sections (excluding distance learning) of elementary-level statistics taught in mathematics departments and statistics departments, by types of instructor and type of department in fall 2010 with fall 2005 figures in parentheses.

	Number of elementary-level statistics sections taught by					Total Sections
	Tenured/ tenure-eligible/ permanent ¹	Other full-time	Part-time	Graduate Teaching Assistant	Unknown	
Mathematics Departments						
Univ (PhD)	251 (145)	243 (292)	124 (104)	274 (136)	77 (25)	969 (629)
Univ (MA)	641 (441)	185 (219)	293 (250)	19 (15)	70 (34)	1208 (924)
Coll (BA)	2564 (1738)	601 (456)	1130 (987)	28 (0)	691 (100)	5014 (3191)
Total	3456 (2324)	1029 (967)	1547 (1341)	320 (151)	838 (159)	7191 (4744)
Statistics Departments						
Univ (PhD)	262 (144)	202 (171)	103 (88)	243 (172)	302 (180)	1113 (696)
Univ (MA)	318 (80)	93 (97)	113 (24)	17 (0)	96 (7)	638 (186)
Total	581 (224)	295 (268)	217 (112)	260 (172)	399 (187)	1751 (882)

Note: Round-off may make row and column sums seem inaccurate.

¹ Beginning in 2010 the CBMS survey added the word "permanent" to the description "tenured/tenure eligible" that was used previously.

TABLE E.10 Number of sections (excluding distance learning) of lower-level computer science taught in mathematics departments, by type of instructor and type of department in fall 2010, with fall 2005 figures in parentheses.

	Number of introductory-level sections taught by					Total Sections
	Tenured/ tenure-eligible	Other full-time	Part-time	Graduate Teaching Assistant	Unknown	
Mathematics Departments						
Univ (PhD)	25 (31)	29 (68)	29 (10)	15 (14)	4 (15)	101 (114)
Univ (MA)	116 (187)	0 (50)	30 (127)	0 (0)	0 (149)	146 (512)
Coll (BA)	1089 (1199)	397 (223)	656 (256)	14 (0)	73 (6)	2230 (1629)
Total	1229 (1416)	426 (341)	715 (393)	30 (14)	77 (169)	2477 (2254)

Note: Round-off may make row and column sums seem inaccurate.

TABLE E.11 Number of sections (excluding distance learning) of middle-level computer science taught in mathematics departments, by type of instructor and type of department in fall 2010, with fall 2005 figures in parentheses.

	Number of calculus-level sections taught by					Total Sections
	Tenured/ tenure-eligible	Other full-time	Part-time	Graduate Teaching Assistant	Unknown	
Mathematics Departments						
Univ (PhD)	31 (19)	11 (55)	2 (3)	7 (3)	0 (0)	51 (61)
Univ (MA)	92 (72)	0 (11)	0 (6)	0 (0)	0 (33)	92 (121)
Coll (BA)	521 (613)	156 (168)	95 (6)	0 (0)	0 (22)	769 (739)
Total	644 (703)	168 (234)	97 (15)	7 (3)	0 (55)	912 (921)

Note: Round-off may make row and column sums seem inaccurate.

TABLE E.12 Number of sections of advanced mathematics (including operations research) and statistics courses in mathematics departments, and number of sections of advanced statistics courses in statistics departments, taught by tenured/tenure-eligible/permanent¹ (TTE) faculty, and total number of advanced level sections, by type of department in fall 2010 with fall 2005 data in parentheses.

Mathematics Departments	Sections taught by TTE ¹	Total sections	Statistics Departments	Sections taught by TTE ¹	Total sections
Advanced Mathematics courses					
Univ (PhD)	2500 (2184)	3266 (2625)			
Univ (MA)	2098 (1382)	3304 (1622)			
Coll (BA)	3548 (2941)	3913 (3507)			
Total advanced mathematics	8146 (6506)	10483 (7754)			
Advanced Statistics courses			Advanced Statistics courses		
Univ (PhD)	438 (434)	561 (869)	Univ (PhD)	324 (343)	452 (499)
Univ (MA)	308 (359)	420 (714)	Univ (MA)	382 (140)	442 (156)
Coll (BA)	721 (604)	929 (771)			
Total advanced statistics	1467 (1398)	1910 (2354)	Total advanced statistics	706 (483)	894 (654)
Total all advanced courses	9613 (7904)	12394 (10108)	Total all advanced courses	706 (483)	894 (654)

Note: Round-off may make row and column sums seem inaccurate.

¹ Beginning in 2010 the CBMS survey added the word "permanent" to the description "tenured/tenure eligible" that was used previously.

TABLE E.13 Average section size (excluding distance learning) for undergraduate mathematics, statistics, and computer science courses in mathematics and statistics departments, by level of course and type of department in fall 2010, with fall 2005 data, when available, in parentheses. Also, all departments' average section sizes from previous CBMS surveys.

	Average section size Fall 2010 (2005)							All Departments			
	Mathematics Depts				Statistics Depts						
	Univ (PhD)	Univ (MA)	Coll (BA)	Overall Math	Univ (PhD)	Univ (MA)	Overall Stat	1995	2000	2005	2010
Mathematics courses											
Precollege	36 (40)	30 (31)	23 (22)	27 (28)				31	29	28	27
Introductory (incl. Precalc)	47 (48)	31 (34)	27 (25)	33 (33)				34	35	33	33
Calculus	48 (45)	31 (27)	24 (21)	34 (32)				31	32	32	34
Advanced Mathematics	20 (20)	12 (15)	12 (10)	14 (14)				12	13	14	14
Statistics courses											
Elementary Statistics	52 (47)	32 (34)	26 (26)	30 na	49 (60)	38 (63)	45 na	38	37	35	33
Upper Statistics	27 (17)	13 (13)	12 (13)	17 na	33 (40)	27 (22)	30 na	19	22	19	21
CS courses											
Lower CS	29 (25)	22 (22)	20 (18)	21 na	na (16)	na (66)		22	22	19	21
Middle CS	18 (19)	15 (8)	12 (8)	12 na	na (48)	na (16)		14	22	9	12
Upper CS	15 (15)	16 (8)	11 (7)	11 na	na (0)	na (0)		12	11	8	11

TABLE E.14 Average recitation size in Mainstream Calculus I and II and other Calculus I courses and in elementary statistics courses that are taught using lecture/recitation method, by type of department in fall 2010, with fall 2005 data in parentheses. Distance-learning sections are not included. (A calculus course is "mainstream" if it leads to the usual upper-division mathematical sciences courses.)

For Lecture/Recitation Courses	Average recitation section size		
	Univ (PhD)	Univ (MA)	College (BA)
Calculus Courses			
Mainstream Calculus I	29 (28)	30 (19)	30 (21)
Mainstream Calculus II	29 (26)	25 (20)	33 (15)
Other Calculus I	30 (29)	19 (na)	15 (na)
Elementary Statistics			
in Mathematics Depts	28 (30)	29 (32)	32 (22)
in Statistics Depts	30 (32)	34 (19)	na (na)

TABLE E.15 Number of freshmen (in 1000s) entering in Fall 2010 with AP credit for Calculus I in Mathematics Departments (Elementary Statistics in Statistics Departments) and the average of the ratio of number of freshmen with AP credit to the number of freshmen by type of department in fall 2010.

Enrollments	Mathematics Departments				Statistics Departments		
	Univ (PhD)	Univ (MA)	College (BA)	Total	Univ (PhD)	Univ (MA)	Total
Total freshmen enrolled in Fall 2010	346	209	336	891	65	57	122
Total entering with AP credit	34	8	13	55	11	2	13
Mean ratio of those with AP credit to total enrollment	0.13	0.03	0.04	0.05	0.18	0.04	0.12