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 departments.

	Mathematics Departments				Statistics Departments			
Bachelors degrees in Math and Stat Depts	Univ (PhD)	Univ (MA)	Coll (BA)	**Total Math Depts**	Univ (PhD)	Univ (MA)	**Total Stat Depts**	**Total Math & Stat Depts**
Mathematics majors (including Act. Sci., Oper Res, and joint degrees)								
Men	4735	1099	2685	**8519**				**8519**
Women	2568	866	2482	**5916**				**5916**
Percentage of women	*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**
Percentage of women	*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**
Percentage of women	*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**
Percentage of women	*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**
Percentage of women	***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.

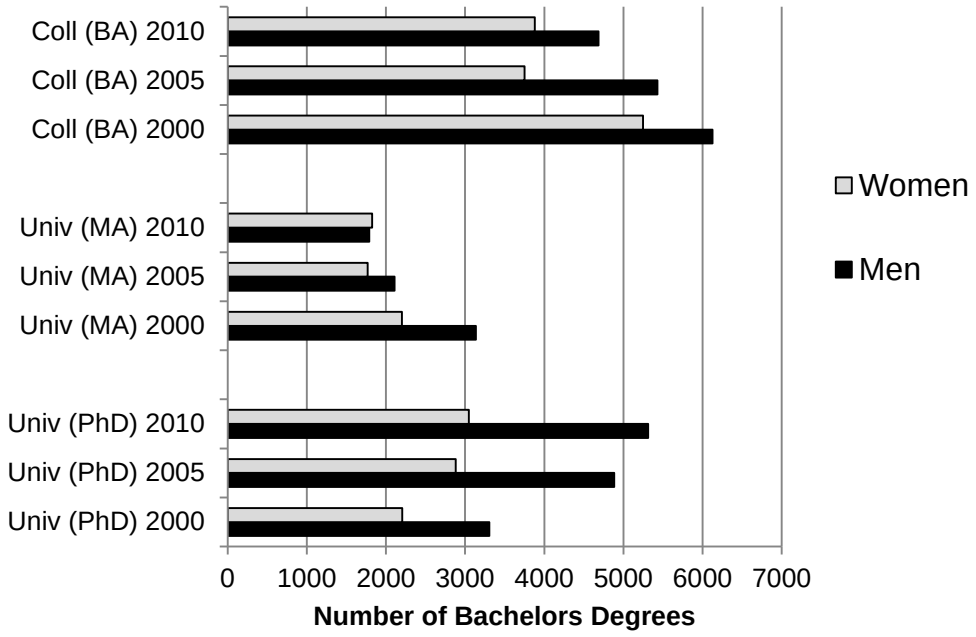

FIGURE E.1.1 Bachelors degrees in mathematics departments awarded between July 1 and June 30 in the academic years 1999-2000, 2004-2005, and 2009-2010, by gender and type of department.

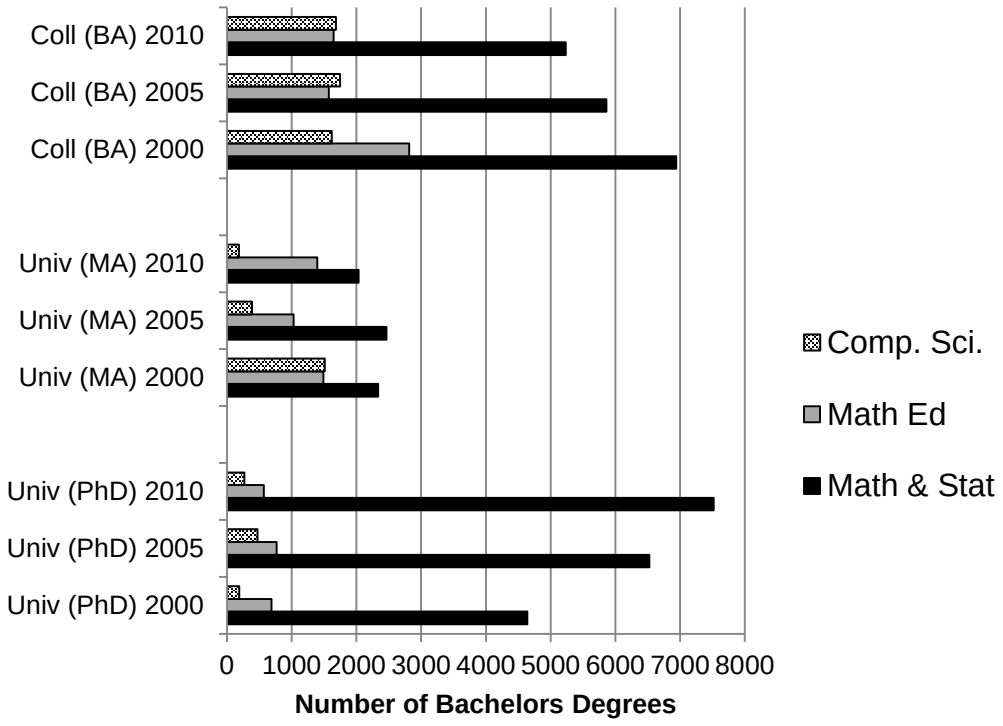

FIGURE E.1.2 Number of bachelors degrees granted in academic years 1999-2000, 2004-2005, and 2009-2010 by type of major and type of department.

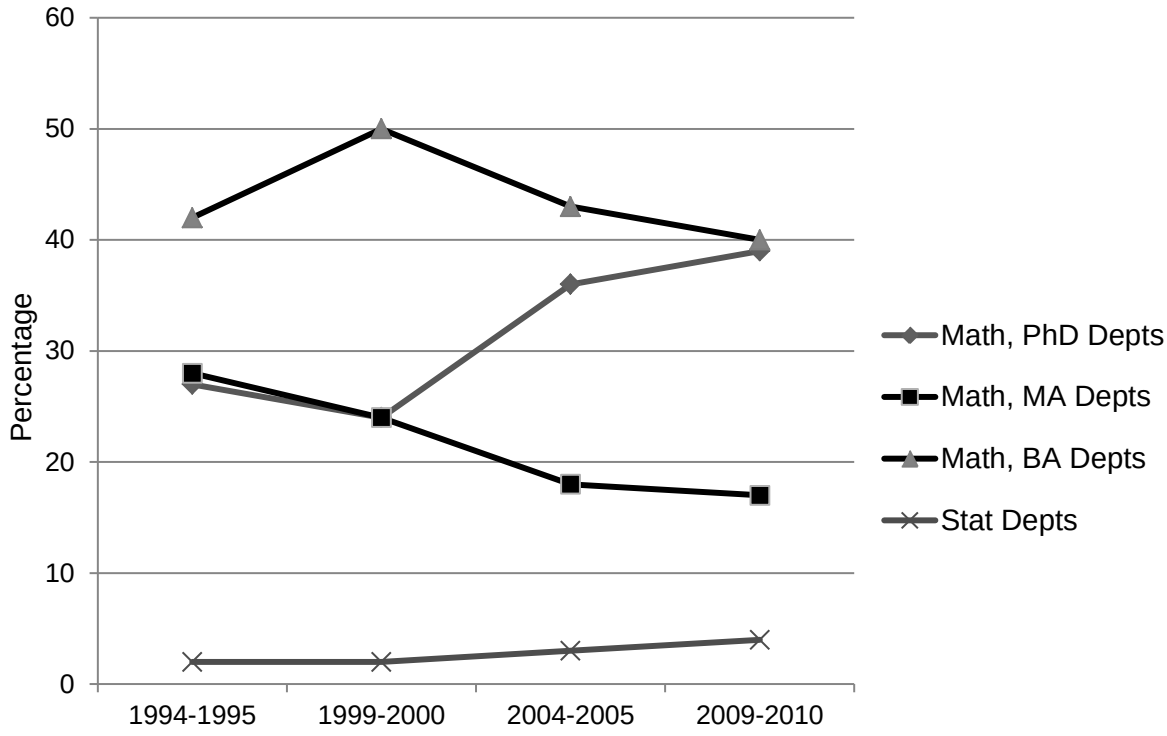

FIGURE E.1.3 Percentage of mathematical sciences bachelors degrees (including computer science) awarded through mathematics and statistics departments of various kinds in academic years 1994-1995, 1999-2000, 2004-2005, and 2009-2010.

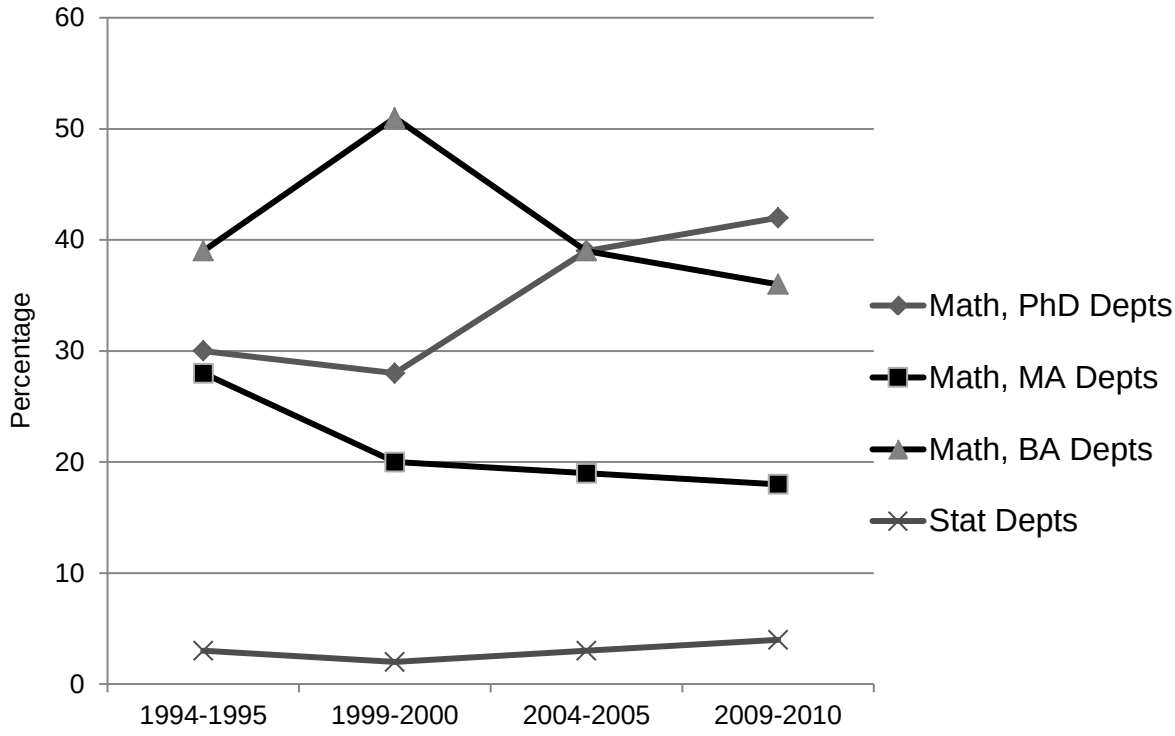

FIGURE E.1.4 Percentage of mathematical sciences bachelors degrees (excluding computer science) awarded through mathematics and statistics departments of various kinds in academic years 1994-1995, 1999-2000, 2004-2005, and 2009-2010.

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.

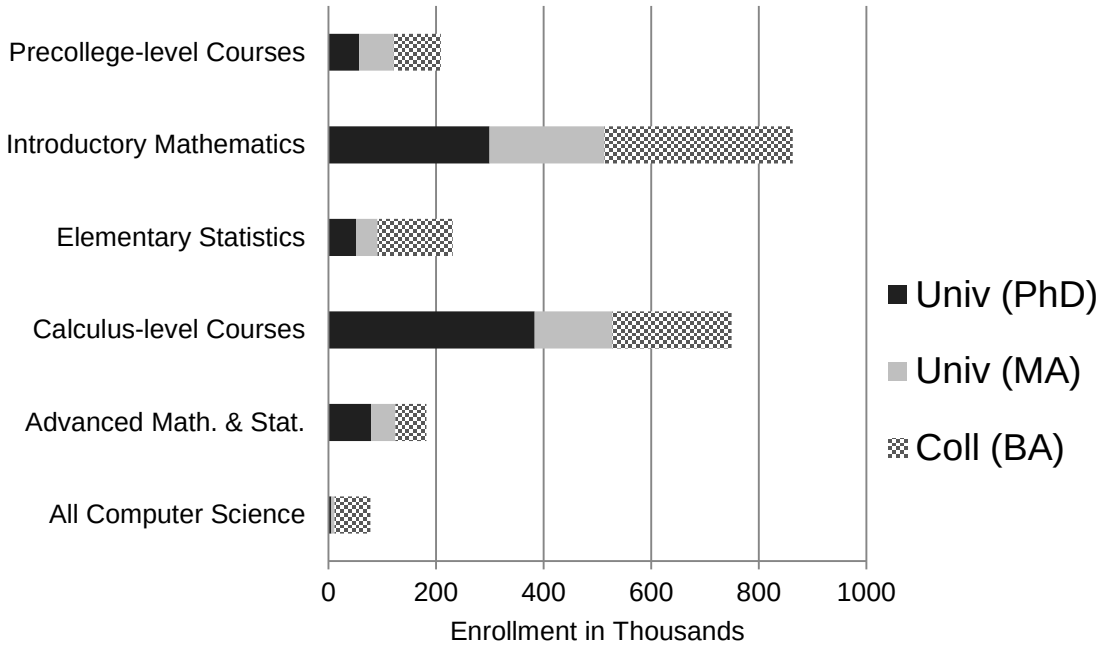

FIGURE E.2.1 Enrollment (in thousands) in undergraduate mathematics, statistics, and computer science courses in four-year college and university mathematics departments by type of course and type of department in fall 2010.

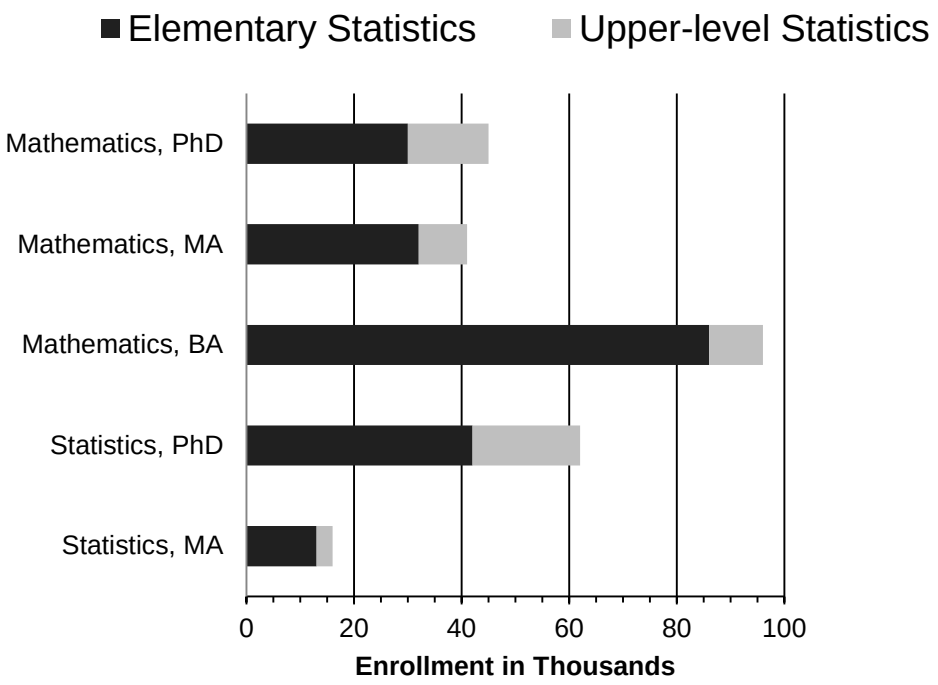

FIGURE E.2.2 Enrollment (in thousands) in undergraduate statistics courses by level of course and type of department in fall 2010.

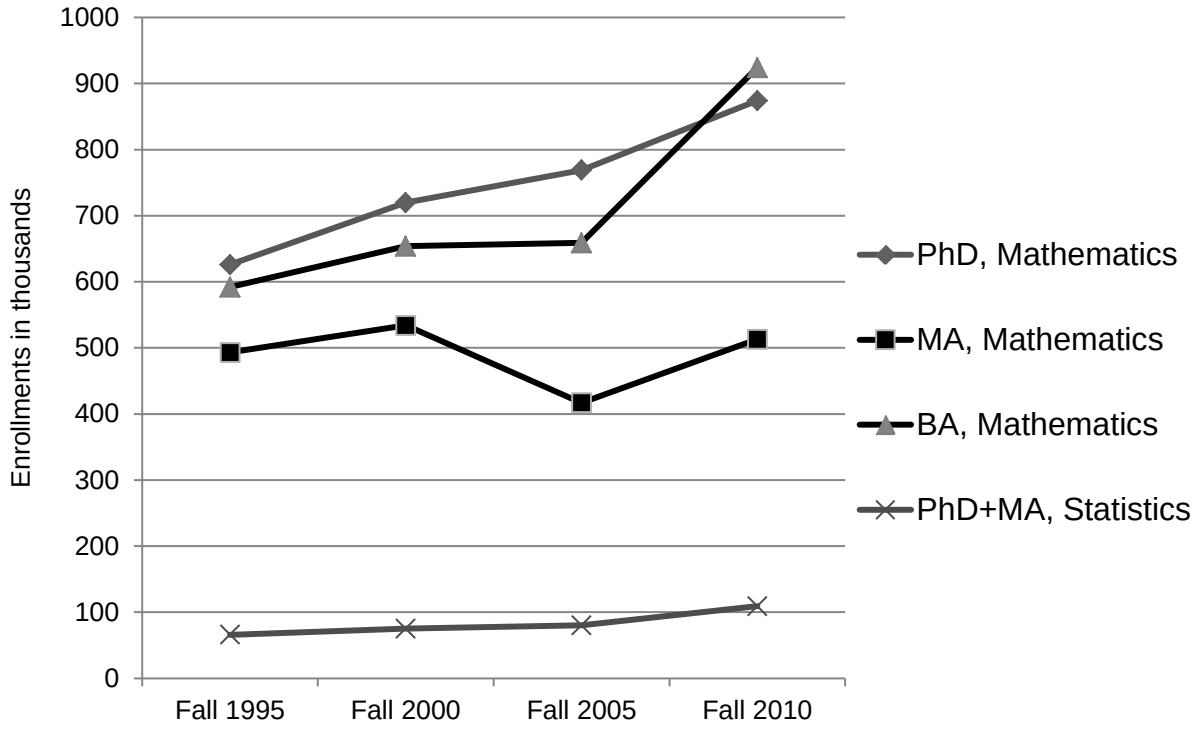

FIGURE E.2.3 Undergraduate enrollment (in thousands) in by type of department in fall 1995, fall 2000, fall 2005, and fall 2010.

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	2075	3699	**7352**			
	(1363)	(1902)	(3862)	**(7126)**			
Introductory (incl. Precalc)	6268	6556	12525	**25349**			
	(5518)	(5543)	(9895)	**(20955)**			
Calculus	7976	4559	9575	**22110**			
	(7696)	(3237)	(7388)	**(18321)**			
Advanced Mathematics	3266	3304	3913	**10483**			
	(2625)	(1622)	(3507)	**(7754)**			
Total Math courses	19088	16494	29712	**65294**			
	(17202)	(12303)	(24652)	**(54157)**			
Statistics Courses							
Elementary Statistics	969	1208	5014	**7191**	1113	638	**1751**
	(629)	(924)	(3191)	**(4744)**	(696)	(186)	**(882)**
Upper Statistics	561	420	929	**1910**	461	447	**907**
	(869)	(714)	(771)	**(2354)**	(499)	(156)	**(654)**
Total Stat Courses	1530	1628	5943	**9102**	1573	1085	**2658**
	(1498)	(1638)	(3962)	**(7098)**	(1195)	(342)	**(1537)**
Computer Science Courses							
Lower Computer Science	101	146	2230	**2477**			
	(114)	(512)	(1629)	**(2254)**			
Middle Computer Science	51	92	769	**912**			
	(61)	(121)	(739)	**(921)**			
Upper Computer Science	49	69	741	**859**			
	(61)	(83)	(444)	**(587)**			
Total CS courses	**201**	**307**	**3740**	**4248**			
	(236)	**(715)**	**(2811)**	**(3762)**			
Total all courses	**20820**	**18428**	**39396**	**78644**	**1573**	**1085**	**2658**
	(18935)	**(14656)**	**(31425)**	**(65017)**	**(1208)** [1]	**(378)** [1]	**(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 sophmore 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						Percentage of statistics sections taught by						Percentage of CS sections taught by					
	TTE [1] %	OFT %	PT %	GTA %	Ukn %	**No. of Math sections**	TTE [1] %	OFT %	PT %	GTA %	Ukn %	**No. of Stat sections**	TTE %	OFT %	PT %	GTA %	Ukn %	**No. of CS sections**
Math Depts																		
Univ (PhD)	33	24	14	17	13	**19088**	51	14	7	16	12	**1530**	42	30	15	11	2	**201**
	(35)	(24)	(14)	(21)	(6)	**(17202)**	(39)	(44)	(7)	(9)	(2)	**(1498)**	(39)	(38)	(9)	(7)	(6)	**(214)**
Univ (MA)	46	17	21`	6	11	**16494**	63	10	16	1	10	**1628**	89	0	11	0	0	**307**
	(45)	(20)	(22)	(8)	(6)	**(12303)**	(49)	(33)	(15)	(1)	(2)	**(1639)**	(43)	(8)	(18)	()	(30)	**(715)**
Coll (BA)	57	11	23	0	10	**29712**	62	8	15	0	14	**5943**	58	18	22	0	2	**3740**
	(54)	(20)	(23)	(1)	(3)	**(24652)**	(59)	(13)	(25)	()	(3)	**(3962)**	(80)	(9)	(9)	()	(1)	**(2811)**
Total Math Depts	**47**	**16**	**20**	**6**	**11**	**65294**	**60**	**9**	**14**	**3**	**13**	**9102**	**60**	**17**	**21**	**1**	**2**	**4248**
	(46)	**(21)**	**(20)**	**(9)**	**(5)**	**(54157)**	**(52)**	**(24)**	**(19)**	**(2)**	**(2)**	**(7099)**	**(70)**	**(11)**	**(11)**	**(0)**	**(7)**	**(3762)**
Stat Depts																		
Univ (PhD)							38	13	7	15	27	**1573**						
							(41)	(22)	(7)	(14)	(15)	**(1195)**						
Univ (MA)							65	9	10	2	14	**1085**						
							(64)	(27)	(7)	(0)	(2)	**(342)**						
Total Stat Depts							49	11	8	10	22	**2658**						
							(46)	(23)	(7)	(11)	(12)	**(1537)**						

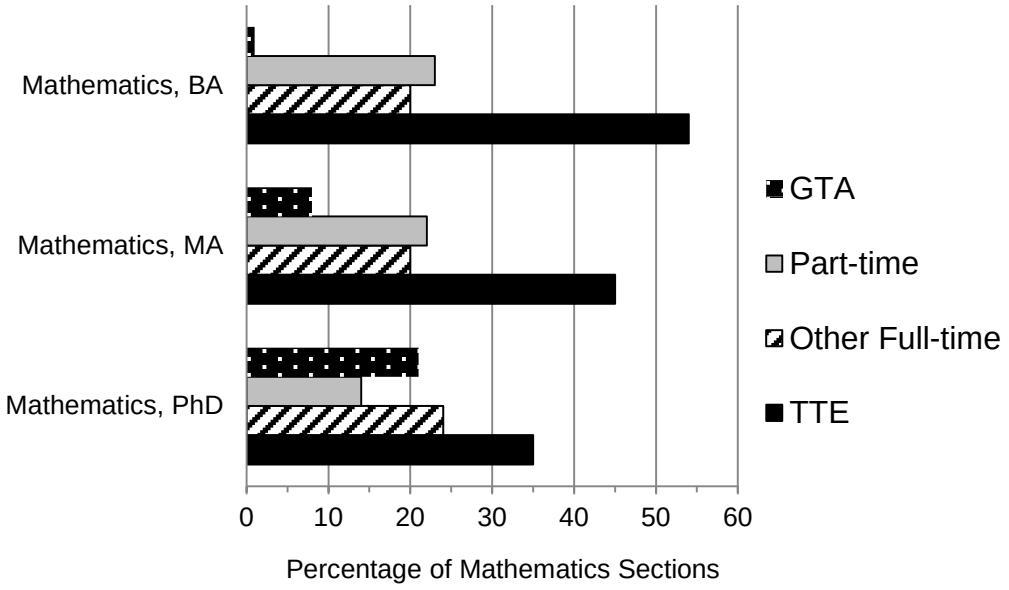

FIGURE E.5.1 Percentage of mathematics sections in mathematics departments whose instructors were tenure/tenure-eligible/permanent (TTE), other full-time faculty, part-time faculty, and graduate teaching assistants (GTA), by type of department in fall 2010. (Percentages may not sum to 100 due to "unknown"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

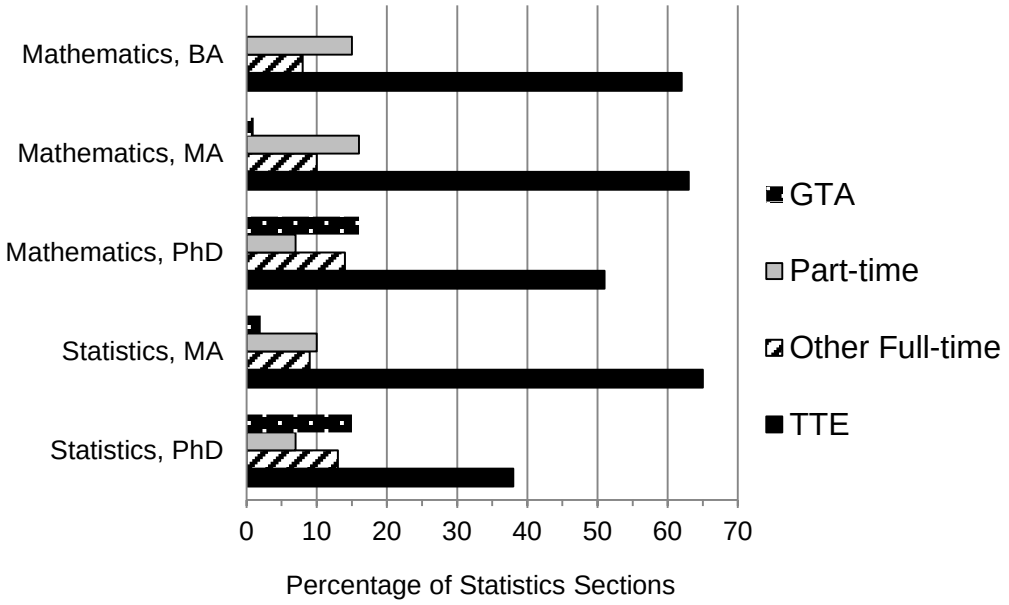

FIGURE E.5.2 Percentage of statistics sections in mathematics and in statistics departments whose instructors were tenure/tenure-eligible/permanent (TTE), other full-time faculty, part-time faculty, and graduate teaching assistants (GTA), by type of department in fall 2010. (Percentages may not sum to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

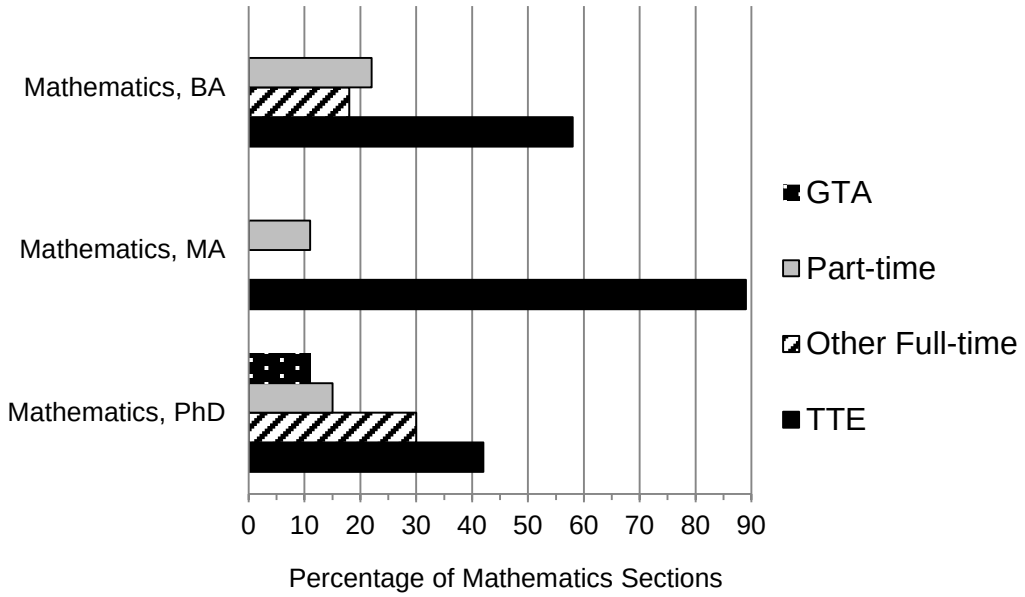

FIGURE E.5.3 Percentage of computer science sections in mathematics departments whose instructors were tenure/tenure-eligible/permanent faculty (TTE), other full-time faculty, part-time faculty, and graduate teaching assistants (GTA), by type of department in fall 2010. (Percentages may not sum to 100 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					
	Tenured/ tenure-eligible/ permanent [1]	Other full-time	Part-time	Graduate Teaching Assistant	Unknown	**Total Sections**
Mathematics Departments						
Univ (PhD)	31	353	666	365	162	**1578**
	(29)	(346)	(579)	(376)	(66)	**(1363)**
Univ (MA)	279	620	769	279	128	**2075**
	(55)	(534)	(616)	(641)	(99)	**(1902)**
Coll (BA)	1043	461	1806	27	362	**3699**
	(576)	(1189)	(2091)	(23)	(192)	**(3862)**
Total	**1353**	**1434**	**3241**	**671**	**652**	**7352**
	(660)	**(2069)**	**(3286)**	**(1040)**	**(357)**	**(7126)**

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

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

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

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					
	Tenured/ tenure-eligible/ permanent [1]	Other full-time	Part-time	Graduate Teaching Assistant	Unknown	**Total Sections**
Mathematics Departments						
Univ (PhD)	251	243	124	274	77	**969**
	(145)	(292)	(104)	(136)	(25)	**(629)**
Univ (MA)	641	185	293	19	70	**1208**
	(441)	(219)	(250)	(15)	(34)	**(924)**
Coll (BA)	2564	601	1130	28	691	**5014**
	(1738)	(456)	(987)	(0)	(100)	**(3191)**
Total	**3456**	**1029**	**1547**	**320**	**838**	**7191**
	(2324)	**(967)**	**(1341)**	**(151)**	**(159)**	**(4744)**
Statistics Departments						
Univ (PhD)	262	202	103	243	302	**1113**
	(144)	(171)	(88)	(172)	(180)	**(696)**
Univ (MA)	318	93	113	17	96	**638**
	(80)	(97)	(24)	(0)	(7)	**(186)**
Total	**581**	**295**	**217**	**260**	**399**	**1751**
	(224)	**(268)**	**(112)**	**(172)**	**(187)**	**(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					
	Tenured/ tenure-eligible	Other full-time	Part-time	Graduate Teaching Assistant	Unknown	**Total Sections**
Mathematics Departments						
Univ (PhD)	25	29	29	15	4	**101**
	(31)	(68)	(10)	(14)	(15)	**(114)**
Univ (MA)	116	0	30	0	0	**146**
	(187)	(50)	(127)	(0)	(149)	**(512)**
Coll (BA)	1089	397	656	14	73	**2230**
	(1199)	(223)	(256)	(0)	(6)	**(1629)**
Total	**1229**	**426**	**715**	**30**	**77**	**2477**
	(1416)	**(341)**	**(393)**	**(14)**	**(169)**	**(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					
	Tenured/ tenure-eligible	Other full-time	Part-time	Graduate Teaching Assistant	Unknown	**Total Sections**
Mathematics Departments						
Univ (PhD)	31	11	2	7	0	**51**
	(19)	(55)	(3)	(3)	(0)	**(61)**
Univ (MA)	92	0	0	0	0	**92**
	(72)	(11)	(6)	(0)	(33)	**(121)**
Coll (BA)	521	156	95	0	0	**769**
	(613)	(168)	(6)	(0)	(22)	**(739)**
Total	**644**	**168**	**97**	**7**	**0**	**912**
	(703)	**(234)**	**(15)**	**(3)**	**(55)**	**(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/permanent [1] (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)										
	Mathematics Depts				Statistics Depts						
								All Departments			
	Univ (PhD)	Univ (MA)	Coll (BA)	Overall Math	Univ (PhD)	Univ (MA)	Overall Stat	**1995**	**2000**	**2005**	**2010**
Mathematics courses											
Precollege	36	30	23	27				31	29	28	27
	(40)	(31)	(22)	(28)							
Introductory (incl. Precalc)	47	31	27	33				34	35	33	33
	(48)	(34)	(25)	(33)							
Calculus	48	31	24	34				31	32	32	34
	(45)	(27)	(21)	(32)							
Advanced Mathematics	20	12	12	14				12	13	14	14
	(20)	(15)	(10)	(14)							
Statistics courses											
Elementary Statistics	52	32	26	30	49	38	45	38	37	35	33
	(47)	(34)	(26)	na	(60)	(63)	na				
Upper Statistics	27	13	12	17	33	27	30	19	22	19	21
	(17)	(13)	(13)	na	(40)	(22)	na				
CS courses											
Lower CS	29	22	20	21	na	na		22	22	19	21
	(25)	(22)	(18)	na	(16)	(66)					
Middle CS	18	15	12	12	na	na		14	22	9	12
	(19)	(8)	(8)	na	(48)	(16)					
Upper CS	15	16	11	11	na	na		12	11	8	11
	(15)	(8)	(7)	na	(0)	(0)					

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.)

	Average recitation section size		
For Lecture/Recitation Courses	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.

	Mathematics Departments				Statistics Departments		
Enrollments	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