TABLE E.1.A Bachelor's degrees in mathematics, mathematics education, statistics, and computer science in mathematics departments awarded between July 1, 2014 and June 30, 2015, by gender of degree recipient and type of department. This table can be compared to Table E.1 in CBMS2010, p. 78.

Bachelor's degrees in Math Depts	Mathematics Departments			
	Univ (PhD)	Univ (MA)	Coll (BA)	Total Math Depts
Mathematics Majors (including applied)				
Men	3431	1436	2529	7396
Women	1645	1365	2388	5398
Percentage of women	*32%*	*49%*	*49%*	*42%*
Total Math degrees	5076	2801	4917	12794
Mathematics Education Majors				
Men	235	412	497	1143
Women	401	480	851	1732
Percentage of women	*63%*	*54%*	*63%*	*60%*
Total Math Ed degrees	636	891	1348	2875
Statistics Majors				
Men	98	77	95	270
Women	28	56	62	147
Percentage of women	*22%*	*42%*	*40%*	*35%*
Total Stat degrees	126	133	157	416
Computer Science Majors				
Men	7	483	2177	2666
Women	3	217	1082	1302
Percentage of women	*33%*	*31%*	*33%*	*33%*
Total CS degrees	10	700	3259	3968
Actuarial Mathematics Majors				
Men	997	207	167	1371
Women	635	134	75	844
Percentage of women	*39%*	*39%*	*31%*	*38%*
Total Actuarial Math degrees	1632	341	243	2215
Joint Mathematics Majors				
Men	212	224	491	927
Women	109	168	156	433
Percentage of women	*34%*	*43%*	*24%*	*32%*
Total Joint degrees	321	393	646	1360
Other Mathematics Majors				
Men	357	87	16	460
Women	251	37	10	298
Percentage of women	*41%*	*30%*	*38%*	*39%*
Total other Math degrees	608	124	26	758
Total degrees - Men	5337	2925	5971	14233
Total degrees - Women	3072	2458	4624	10154
Percentage of women	*37%*	*46%*	*44%*	*42%*
Total all degrees	8409	5383	10595	24387

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

TABLE E.1.B Bachelor's degrees in statistics departments awarded between July 1, 2014 and June 30, 2015, by gender of degree recipient and type of department. This table can be compared to Table E.1 in CBMS2010, p. 78.

Bachelor's degrees in Math and Stat Depts	Statistics Departments		
	Univ (PhD)	Univ (MA)	Total Stat Depts
Statistics Majors			
Men	540	55	594
Women	418	42	460
Percentage of women	*44%*	*43%*	*44%*
Total Statistics degrees	958	97	1055
Biostatistics			
Men	17	0	17
Women	21	0	21
Percentage of women	*55%*	*NA*	*55%*
Total Biostatistics degrees	38	0	38
Actuarial Science			
Men	58	7	65
Women	73	1	74
Percentage of women	*56%*	*17%*	*53%*
Total Actuarial Science degrees	131	8	139
Joint Statistics and Computer Science			
Men	46	0	46
Women	18	0	18
Percentage of women	*28%*	*0%*	*28%*
Total Joint Statistics and Computer Science degrees	64	0	64
Joint Statistics and Mathematics			
Men	*124*	*0*	*124*
Women	*72*	*0*	*72*
Percentage of women	*37%*	*0%*	*37%*
Total Joint Statistics and Mathematics degrees	196	0	196
Joint Statistics and (Business or Economics)			
Men	*116*	*0*	*116*
Women	*84*	*0*	*84*
Percentage of women	*42%*	*0%*	*42%*
Total Joint Statistics and (Business or Ecoomics) degrees	200	0	200
Statistics Education			
Men	*2*	*0*	*2*
Women	*3*	*0*	*3*
Percentage of women	*60%*	*0%*	*60%*
Total Statistics Education degrees	5	0	5
Other			
Men	*62*	*29*	*90*
Women	*47*	*12*	*59*
Percentage of women	*43%*	*29%*	*39%*
Total Other degrees	*109*	*41*	*149*
Total degrees - Men	965	90	1055
Total degrees - Women	737	55	792
Percentage of women	*43%*	*38%*	*43%*
Total all degrees	1702	145	1847

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

Table E.1.C. Comparisons of NCES Tabulations of Bachelor's Degrees awarded to Majors in Math & Stat during 2014-2015 survey cycle with estimates from 2015 CBMS Survey and 2015 Annual Survey Departmental Profile survey.

Institutions with a:	NCES	Annual Survey [1]	Annual Survey SEs	CBMS [2]
Doctoral Mathematics Departments	14256	13477	70	10256
Masters Mathematics Departments	4354	4701	141	5383
Bachelor's Mathematics Departments	9058	12204	270	10595
Grand Total	27668	30382	348	26234

[1] Doctoral Math. Depts. includes degrees awarded by doctoral stat departments; Masters stat departments were not surveyed.

[2] Doctoral Math. Depts. includes degrees awarded by doctoral and masters stat departments; some masters stat departments are at institutions whose math department does not offer a doctorate. Computer science degrees included.

Table E.1.D. Comparisons of NCES Tabulations of Bachelor's Degrees awarded to Majors in Math & Stat during 2014-2015 survey cycle with estimates from 2015 Annual Survey Departmental Profile survey adjusted to remove CS-only Bachelor's. The CBMS estimates include CS majors.

Institutions with a:	NCES	Annual Survey with CS-only removed [1]	CBMS [2]
Doctoral Mathematics Department	14256	13334	10256
Masters Mathematics Department	4354	4457	5383
Bachelor's Mathematics Department	9058	10666	10595
Grand Total	27668	28457	26234

[1] Doctoral Math. Depts. includes degrees awarded by doctoral stat departments; Masters stat departments were not surveyed.

[2] Doctoral Math. Depts. includes degrees awarded by doctoral and masters stat departments; some masters stat departments are at institutions whose math department does not offer a doctorate. Computer science degrees included.
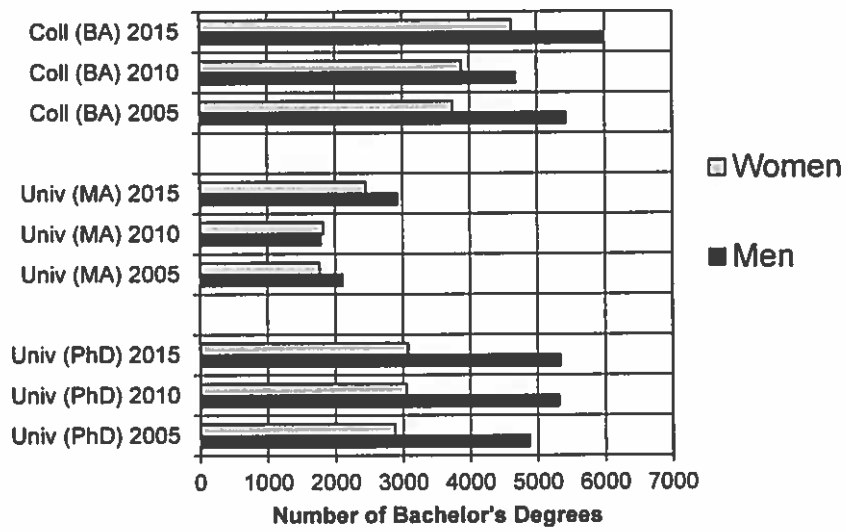
FIGURE E.1.1 Bachelor's degrees in mathematics departments awarded between July 1 and June 30 in the academic years 2004-2005, 2009-2010, and 2014-2015, by gender and type of department.
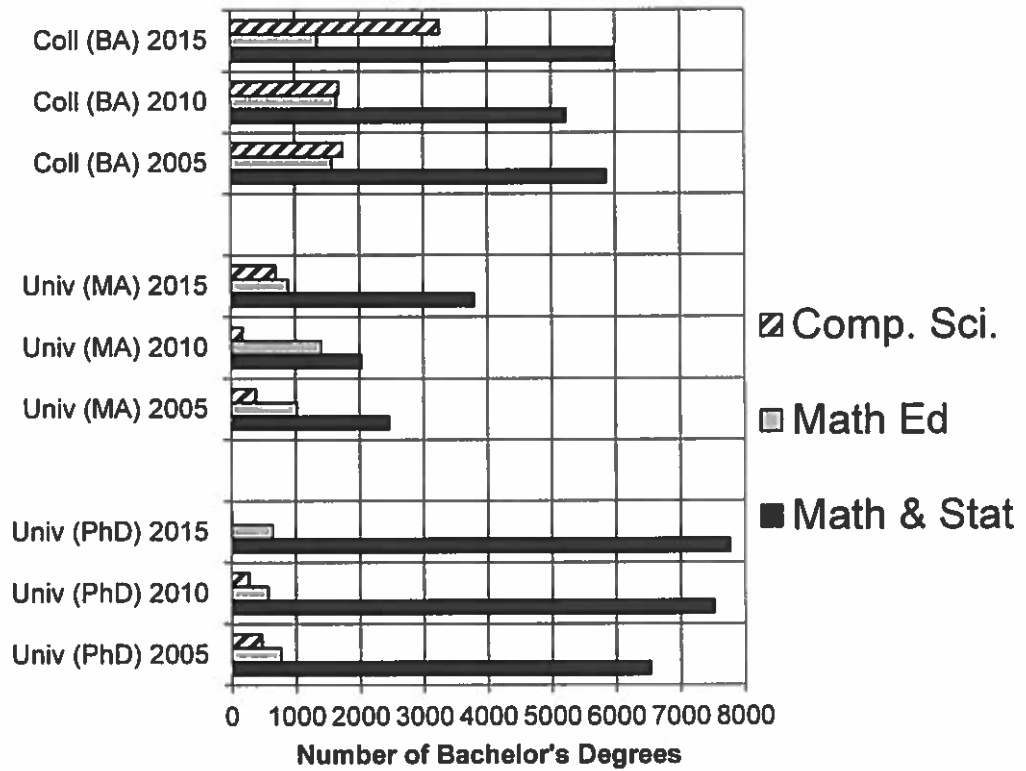
FIGURE E.1.2 Number of bachelor's degrees granted by mathematics departments in academic years 2004-2005, 2009-2010, and 2014-2015 by type of major and type of department.
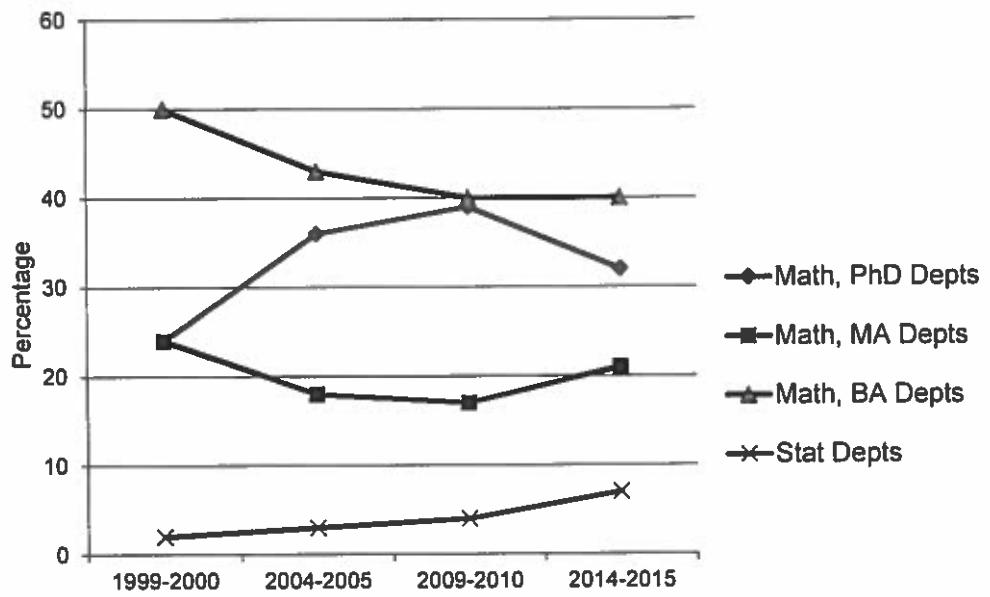
FIGURE E.1.3 Percentage of mathematical sciences bachelor's degrees (including computer science) awarded through mathematics and statistics departments of various kinds in academic years 1999-2000, 2004-2005, 2009-2010, and 2014-2015.
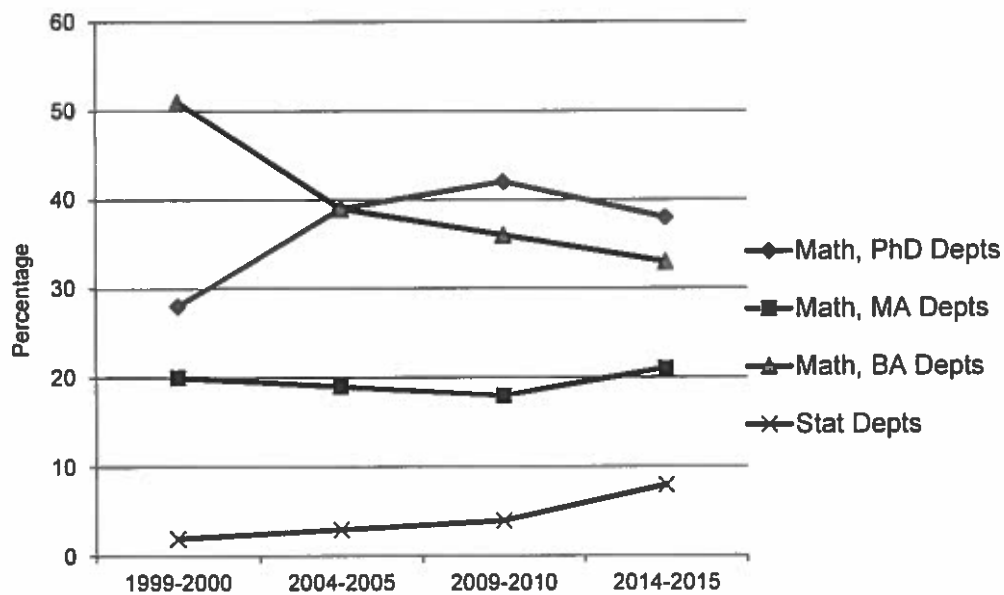
FIGURE E.1.4 Percentage of mathematical sciences bachelor's degrees (excluding computer science) awarded through mathematics and statistics departments of various kinds in academic years 1999-2000, 2004-2005, 2009-2010, and 2014-2015.

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 2015. Numbers in parentheses are (2005, 2010) enrollments.

| | Fall 2015 (2005, 2010) 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	80	48	125	253			
	(55,57)	(60,64)	(87,88)	(201,209)			
Introductory (incl. Precalc)	408	226	365	1000			
	(269,299)	(190,214)	(248,350)	(706,863)			
Calculus level	474	157	176	807			
	(345,383)	(88,145)	(154,221)	(587,748)			
Advanced Mathematics	81	30	43	154			
	(52,64)	(24,39)	(36,47)	(112,150)			
Total Math courses	1043	461	709	2213			
	(720,803)	(362,462)	(525,706)	(1607,1971)			
Statistics Courses							
Introductory Statistics	57	62	134	253	78	16	94
	(30,51)	(32,40)	(86,140)	(148,231)	(42,54)	(13,27)	(54,81)
Upper Statistics	17	24	20	60	45	5	50
	(15,15)	(9,6)	(10,11)	(34,32)	(20,15)	(3,12)	(24,28)
Total Stat Courses	74	85	154	313	124	20	144
	(44,66)	(42,45)	(96,151)	(182,262)	(62,70)	(16,39)	(78,109)
Computer Science Courses							
Lower Computer Science	4	5	36	45			
	(3,3)	(11,3)	(30,50)	(44,56)			
Middle Computer Science	1	2	14	16			
	(1,1)	(1,1)	(6,9)	(8,12)			
Upper Computer Science	0	2	5	6			
	(1,1)	(1,1)	(3,8)	(5,10)			
Total CS courses	5	8	55	68			
	(5,5)	(13,6)	(39,67)	(57,77)			
Total all courses	1122	554	918	2594	124	20	144
	(769,874)	(417,513)	(659,924)	(1845,2310)	(62,70)	(18,39)	(80,109)

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

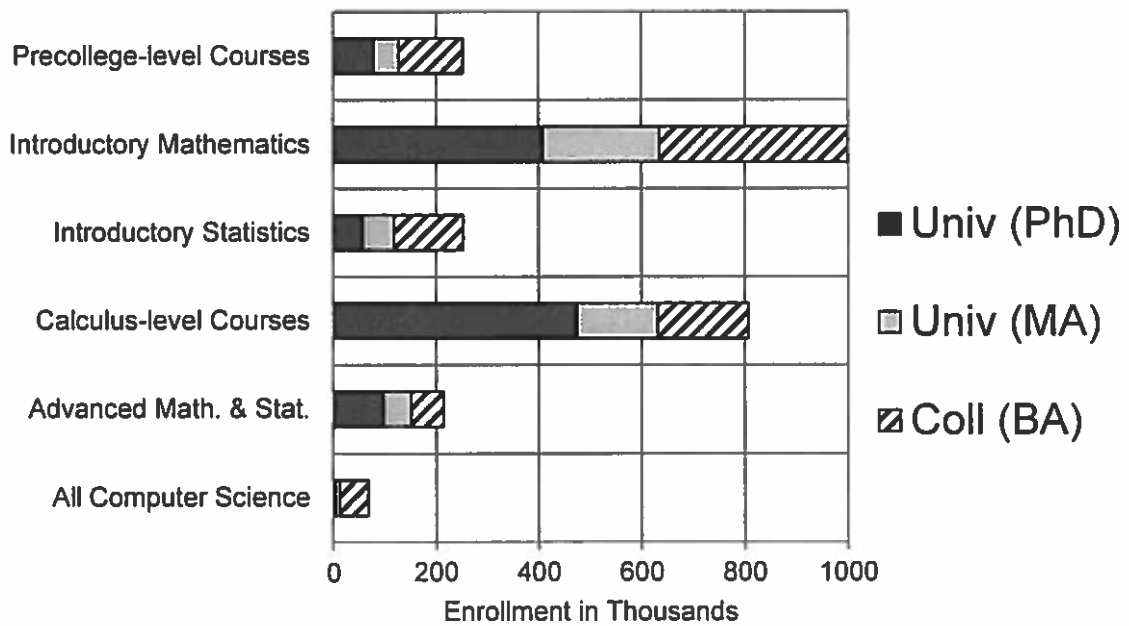Note: Due to round-off, row and column sums may appear inaccurate.

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 2015.
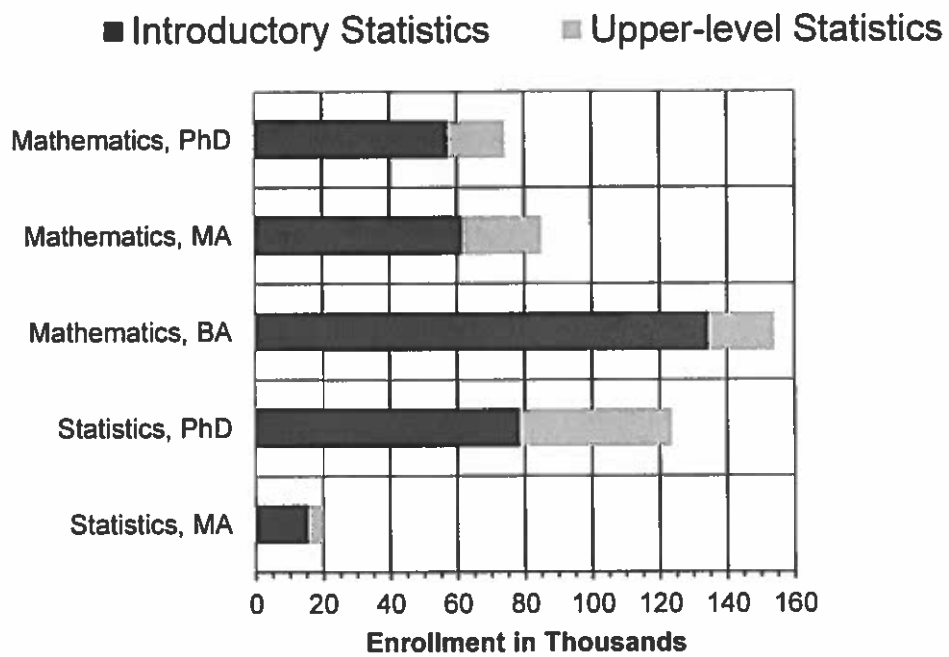
FIGURE E.2.2 Enrollment (in thousands) in undergraduate statistics courses by level of course and type of department in fall 2015.
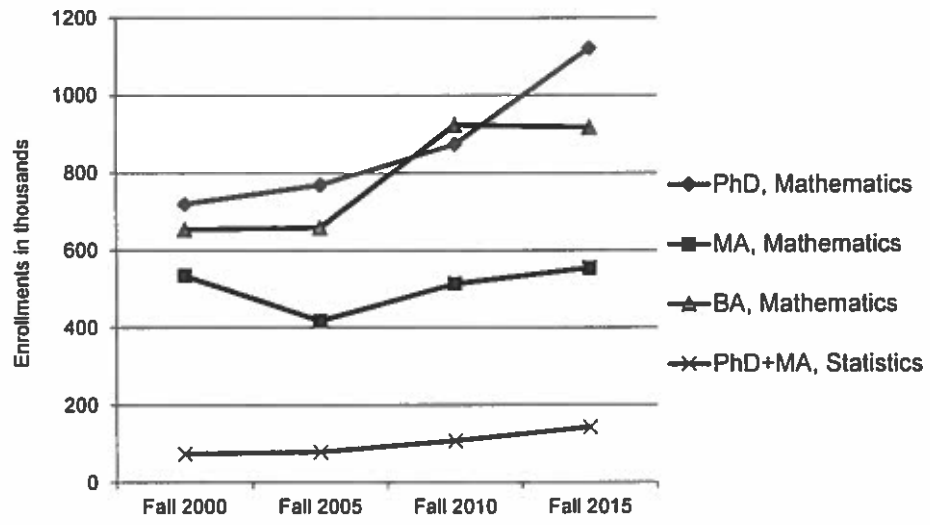
FIGURE E.2.3 Undergraduate enrollment (in thousands) by type of department in fall 2000, fall 2005, fall 2010, and fall 2015.

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 2015 with fall 2010 figures in parentheses.

	Number of sections: Fall 2015 (Fall 2010)						
	Mathematics Departments				Statistics Departments		
	Univ (PhD)	Univ (MA)	Coll (BA)	Total Math Depts	Univ (PhD)	Univ (MA)	Total Stat Depts
Mathematics Courses							
Precollege level	2235	1578	4206	8020			
	(1578)	(2075)	(3699)	(7352)			
Introductory (incl. Precalc)	8245	6999	16948	32192			
	(6268)	(6556)	(12525)	(25349)			
Calculus	8323	4579	8285	21186			
	(7976)	(4559)	(9575)	(22110)			
Advanced Mathematics	3676	2633	4461	10771			
	(3266)	(3304)	(3913)	(10483)			
Total Math courses	22479	15788	33901	72168			
	(19088)	(16494)	(29712)	(65294)			
Statistics Courses							
Introductory Statistics	1319	1493	4562	7374	1256	238	1494
	(969)	(1208)	(5014)	(7191)	(1113)	(638)	(1751)
Upper Statistics	752	1432	1776	3960	796	174	970
	(561)	(420)	(929)	(1910)	(461)	(447)	(907)
Total Stat Courses	2072	2925	6338	11334	2052	412	2464
	(1530)	(1628)	(5943)	(9102)	(1573)	(1085)	(2658)
Computer Science Courses							
Lower Computer Science	109	186	1987	2282			
	(101)	(146)	(2230)	(2477)			
Middle Computer Science	31	69	1128	1227			
	(51)	(92)	(769)	(912)			
Upper Computer Science	0	84	375	460			
	(49)	(69)	(741)	(859)			
Total CS courses	140	339	3490	3970			
	(201)	(307)	(3740)	(4248)			
Total all courses	24692	19053	43728	87472	2052	412	2464
	(20820)	(18428)	(39396)	(78644)	(1573)	(1085)	(2658)

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 by time and/or space (e.g. courses in which the majority of the course is taught online, or by computer software, or by other technologies, including MOOCs that are offered for credit) and other sections for various freshman and sophomore courses, by type of department, in fall 2015. (A MOOC is a "massive open online course.") (Fall 2010 data in parentheses.)

	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	8405 (8106)	244475 (201089)	89035 (87073)	693252 (1062667)		
College Algebra, Trigonometry, & Pre-Calculus	45226 (12021)	954356 (431420)	55227 (40898)	390066 (309272)		
Calculus I (mainstream and non-mainstream)	8968 (2159)	346343 (332632)	7455 (3504)	84537 (82192)		
Calculus II (mainstream and non-mainstream)	3410 (782)	125126 (128104)	1813 (285)	32523 (30827)		
Differential Equations & Linear Algebra	1492 (862)	137567 (115837)	480 (298)	13559 (10473)		
Introductory Statistics	18696 (12368)	234558 (218385)	30608 (23363)	220671 (110910)	4291 (4171)	89620 (77153)

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

TABLE E.5 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 2015, with fall 2010 figures in parentheses. This table can be compared to Table E.8 in CBMS2010, p. 92.

	Number of calculus-level sections taught by					
	Tenured/ tenure-eligible [1]	Other full-time	Part-time	Graduate Teaching Assistant	Unknown	Total Sections
Mathematics Departments						
Univ (PhD)	2803	2962	733	1370	454	8323
	(3120)	(2057)	(789)	(1289)	(721)	(7976)
Univ (MA)	2365	994	797	84	339	4579
	(3080)	(495)	(611)	(160)	(213)	(4559)
Coll (BA)	5896	1078	585	0	727	8285
	(6743)	(839)	(1223)	()	(771)	(9575)
Total	11064	5034	2115	1454	1520	21186
	(12943)	(3391)	(2622)	(1448)	(1705)	(22110)

[1] In 2010, the CBMS survey added the word "permanent" to the description "tenured/tenure eligible" that was used previously. In 2015 the word "permanent" was deleted.
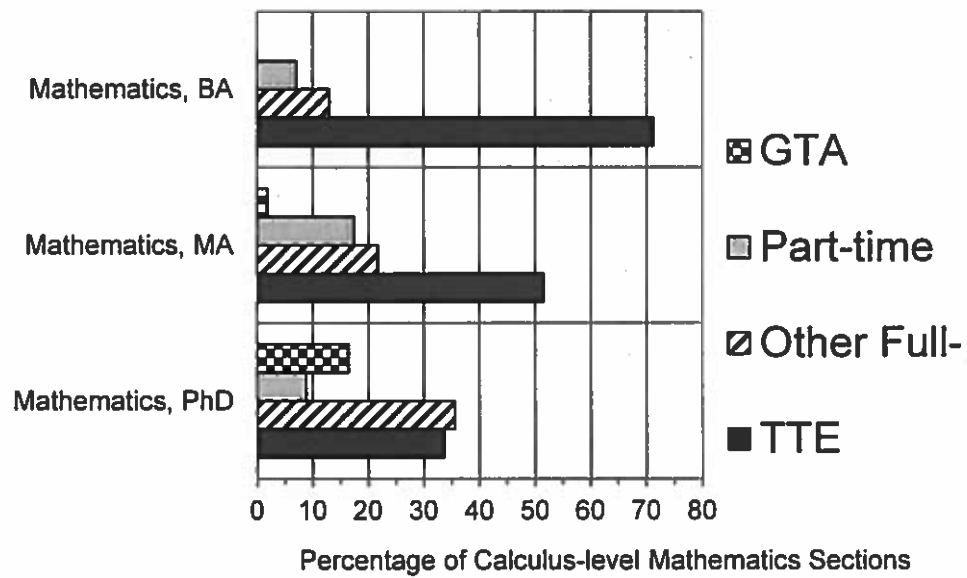
FIGURE E.5.1 Percentage of calculus-level mathematics sections in mathematics departments whose instructors were tenure/tenure-eligible (TTE), other full-time faculty part-time faculty, and graduate teaching assistants (GTA), by type of department in fall 2015. (Percentages may not sum to 100 due to "unknown" instructor percentages. (N

TABLE E.7 Number of sections (excluding distance learning) of introductory statistics courses taught in mathematics departments and statistics departments by types of instructor and type of department in fall 2015 with fall 2010 figures in parentheses. This table can be compared to Table E.9 in CBMS2010, p. 93.

	Number of introductory statistics sections taught by					
	Tenured/ tenure-eligible [1]	Other full-time	Part-time	Graduate Teaching Assistant	Unknown	Total Sections
Mathematics Departments						
Univ (PhD)	268	392	239	245	175	1319
	(251)	(243)	(124)	(274)	(77)	(969)
Univ (MA)	781	467	216	0	29	1493
	(641)	(185)	(293)	(19)	(70)	(1208)
Coll (BA)	2006	725	1389	30	411	4562
	(2564)	(601)	(1130)	(28)	(691)	(5014)
Total	3055	1584	1844	275	615	7374
	(3456)	(1029)	(1547)	(320)	(838)	(7191)
Statistics Departments						
Univ (PhD)	136	281	111	466	263	1256
	(262)	(202)	(103)	(243)	(302)	(1113)
Univ (MA)	75	97	33	3	31	238
	(318)	(93)	(113)	(17)	(96)	(638)
Total	210	378	144	468	295	1494
	(581)	(295)	(217)	(260)	(399)	(1751)

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

[1] In 2010, the CBMS survey added the word "permanent" to the description "tenured/tenure eligible" that was used previously. In 2015 the word "permanent" was deleted.
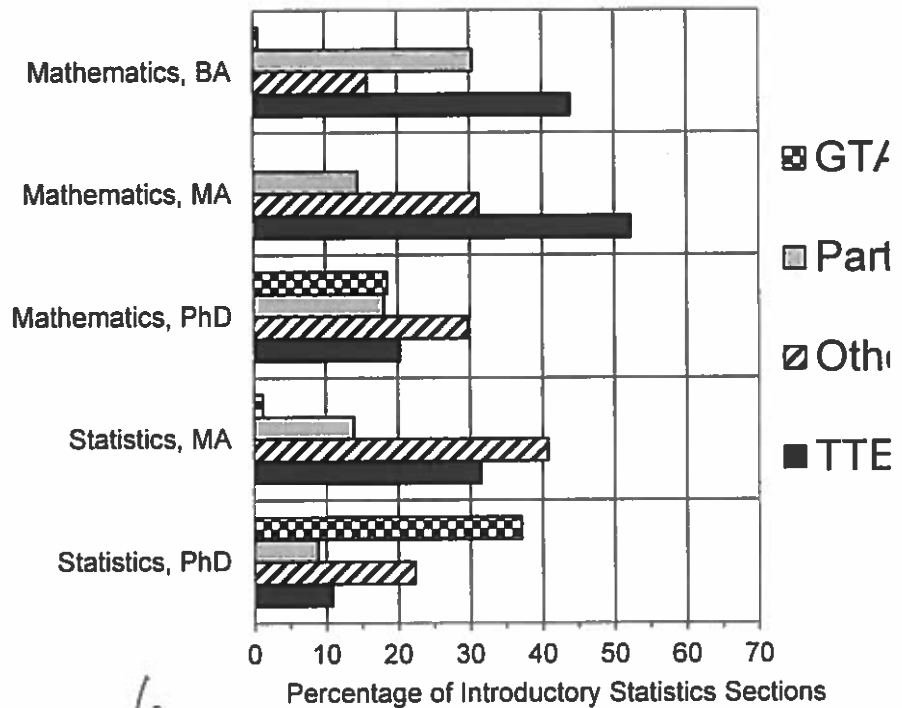
FIGURE E.7.1 Percentage of introductory statistics sections in mathematics and i
departments whose instructors were tenure/tenure-eligible (TTE), other full-time fa
faculty, and graduate teaching assistants (GTA), by type of department in fall 2015
may not sum to 100 due to "unknown" instructor percentages.) (Note: Figure E.5.:

TABLE E.11 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[1] (TTE) faculty, and total number of advanced level sections, by type of department in fall 2015 with fall 2010 data in parentheses. This table can be compared to Table E.12 in CBMS2010, p. 95.

Mathematics Departments	Sections taught by TTE [1]	Total sections	Statistics Departments	Sections taught by TTE [1]	Total sections
Advanced Mathematics courses					
Univ (PhD)	2519	3676			
	(2500)	(3266)			
Univ (MA)	1769	2633			
	(2098)	(3304)			
Coll (BA)	3236	4461			
	(3548)	(3913)			
Total advanced mathematics	7525	10771			
	(8146)	(10483)			
Advanced Statistics courses			Advanced Statistics courses		
Univ (PhD)	452	752	Univ (PhD)	394	796
	(438)	(561)		(324)	(452)
Univ (MA)	656	1432	Univ (MA)	140	174
	(308)	(420)		(382)	(442)
Coll (BA)	1010	1776			
	(721)	(929)			
Total advanced statistics	2118	3960	Total advanced statistics	533	970
	(1467)	(1910)		(706)	(894)
Total all advanced courses	9643	14731	Total all advanced courses	533	970
	(9613)	(12394)		(706)	(894)

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

[1] In 2010, the CBMS survey added the word "permanent" to the description "tenured/tenure eligible" that was used previously. In 2015, the word "permanent" was deleted.

TABLE E.9 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 2015, with fall 2010 figures in parentheses. This table can be compared to Table E.10 in CBMS2010, p. 94.

	Number of lower-level computer science sections taught by					
	Tenured/ tenure-eligible/ permanent [1]	Other full-time	Part-time	Graduate Teaching Assistant	Unknown	Total Sections
Mathematics Departments						
Univ (PhD)	30	71	8	0	0	109
	(25)	(29)	(29)	(15)	(4)	(101)
Univ (MA)	112	48	26	0	0	186
	(116)	(0)	(30)	(0)	(0)	(146)
Coll (BA)	899	339	277	0	472	1987
	(1089)	(397)	(656)	(14)	(73)	(2230)
Total	1042	458	311	0	472	2282
	(1229)	(426)	(715)	(30)	(77)	(2477)

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

[1] In 2010, the CBMS survey added the word "permanent" to the description "tenured/tenure eligible" that was used previously. In 2015 the word "permanent" was deleted.

TABLE E.10 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 2015, with fall 2010 figures in parentheses. This table can be compared to Table E.11 in CBMS2010, p. 94.

	Number of middle-level computer science sections taught by					
	Tenured/ tenure-eligible/ permanent [1]	Other full-time	Part-time	Graduate Teaching Assistant	Unknown	Total Sections
Mathematics Departments						
Univ (PhD)	17	0	5	0	9	31
	(31)	(11)	(2)	(7)	(0)	(51)
Univ (MA)	55	4	9	0	0	69
	(92)	(0)	(0)	(0)	(0)	(92)
Coll (BA)	549	311	161	0	107	1128
	(521)	(156)	(95)	(0)	(0)	(769)
Total	621	316	174	0	116	1227
	(644)	(168)	(97)	(7)	(0)	(912)

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

[1] In 2010, the CBMS survey added the word "permanent" to the description "tenured/tenure eligible" that was used previously. In 2015 the word "permanent" was deleted.
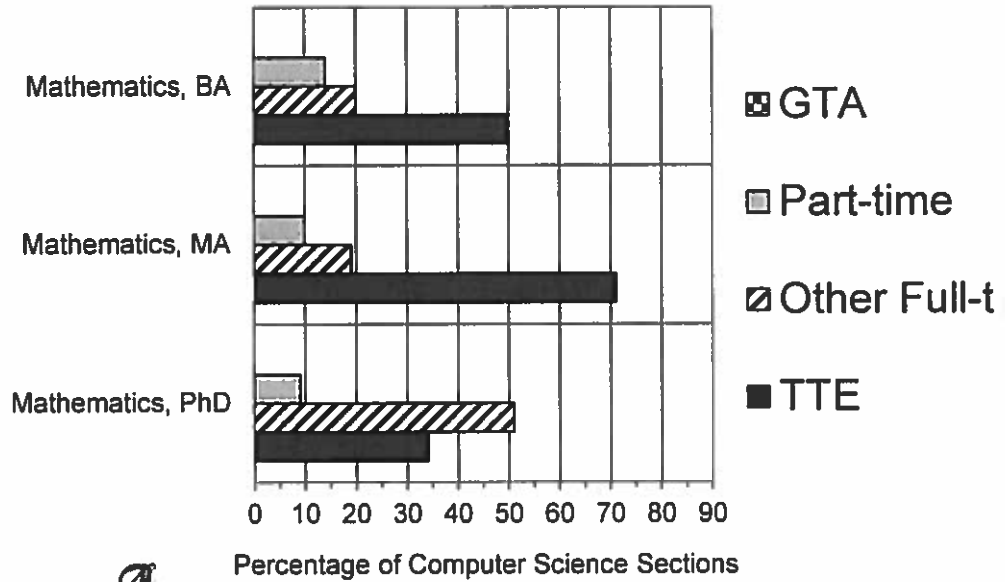
Percentage of Computer Science Sections

FIGURE E.10.1 Percentage of computer science sections (all levels) in mathematics departments whose instructors were tenure/tenure-eligible faculty (TTE), other full-time facult part-time faculty, and graduate teaching assistants (GTA), by type of department in fall 2015. (Percentages may not sum to 100 due to "unknown" instructor percentages.) This figure can compared to Figure E.5.3 in CBMS2010, p. 91.

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TABLE E.12 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 2015, with fall 2010 data, when available, in parentheses. Also, all departments' average section sizes from previous CBMS surveys. This table can be compared to Table E.13 in CBMS2010, p. 96.

| | Average section size Fall 2015 (2010) | | | | | | | All Departments | | | |
| | Mathematics Depts | | | | Statistics Depts | | | | | | |
	Univ (PhD)	Univ (MA)	Coll (BA)	Overall Math	Univ (PhD)	Univ (MA)	Overall Stat	2000	2005	2010	2015
Mathematics courses											
Precollege	34	30	29	30				29	28	27	30
	(36)	(30)	(23)	(27)							
Introductory (incl. Precalc)	47	31	20	30				35	33	33	30
	(47)	(31)	(27)	(33)							
Calculus level	55	34	21	37				32	32	34	37
	(48)	(31)	(24)	(34)							
Advanced Mathematics	22	11	10	14				13	14	14	14
	(20)	(12)	(12)	(14)							
Statistics courses											
Introductory Statistics	40	39	27	32	59	65	60	37	35	33	37
	(52)	(32)	(26)	(30)	(49)	(38)	(45)				
Upper Statistics	23	16	11	15	57	27	52	22	19	21	22
	(27)	(13)	(12)	(17)	(33)	(27)	(30)				
CS courses											
Lower CS	38	24	18	19				22	19	21	19
	(29)	(22)	(20)	(21)							
Middle CS	20	22	13	13				22	9	12	13
	(18)	(15)	(12)	(12)							
Upper CS	NA	19	13	14				11	8	11	14
	(15)	(16)	(11)	(11)							

NA = Not applicable (there were no upper division computer science courses at doctorate-granting institutions).

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TABLE E.13 Average recitation size in Mainstream Calculus I and II and other Calculus I courses and in introductory statistics courses that are taught using lecture/recitation method, by type of department in fall 2015, with fall 2010 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	31	34	17
	(29)	(30)	(30)
Mainstream Calculus II	29	14	9
	(29)	(25)	(33)
Other Calculus I	36	16	9
	(30)	(19)	(15)
Introductory Statistics			
in Mathematics Depts	33	19	26
	(28)	(29)	(32)
in Statistics Depts	25	28	na
	(30)	(34)	na