



This data pack was produced by TBR to help the London Mathematical Society update the analysis in their February 2013 report *Advancing Women in Mathematics: Good Practice in UK University Departments*.



Gender in Mathematics data update
January 2016

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A-level mathematics and further mathematics candidates by gender, Summer 2012 to Summer 2015.
Source: Joint Council for Qualifications (JCQ) 2012, 2013, 2014, 2015



G1 Mathematics graduates by gender, domicile and level of study, 2011/12 to 2014/15
 Source: HESA Student Record 2011/12, 2012/13, 2013/14, 2014/15

		2011/12			2012/13			2013/14			2014/15			2011/12 to 2014/15			2011/12 to 2014/15			2011/12 to 2014/15					
		Female	Male	Total	Female	Male	Total	Female	Male	Total	Female	Male	Total	Female	Male	Total	Female	Male	Total	Female	Male	Total			
UK	First degree	2,340	3,430	5,770	2,660	4,110	6,765	2,605	3,860	6,465	2,400	3,795	6,200	41%	59%	100%	39%	61%	100%	40%	60%	100%	39%	61%	100%
	Other undergraduate	415	575	985	225	330	555	240	375	615	155	335	485	42%	58%	100%	40%	60%	100%	39%	61%	100%	31%	69%	100%
	Masters	100	255	355	100	260	360	100	255	355	90	250	340	28%	72%	100%	28%	72%	100%	28%	72%	100%	27%	73%	100%
	Doctorate	50	165	215	70	210	280	50	160	210	60	185	245	24%	76%	100%	25%	75%	100%	24%	76%	100%	24%	76%	100%
	Other postgraduate	70	45	115	30	50	80	30	60	90	25	45	70	60%	40%	100%	38%	62%	100%	32%	68%	100%	34%	66%	100%
Non-UK	First degree	560	620	1,180	575	610	1,185	655	665	1,320	655	715	1,370	47%	53%	100%	48%	52%	100%	50%	50%	100%	48%	52%	100%
	Other undergraduate	5	30	35	10	5	15	35	45	85	25	55	80	15%	85%	100%	57%	43%	100%	43%	57%	100%	33%	67%	100%
	Masters	250	485	735	360	540	900	265	495	760	290	445	735	34%	66%	100%	40%	60%	100%	35%	65%	100%	40%	60%	100%
	Doctorate	60	140	200	75	155	225	75	135	205	70	175	240	31%	69%	100%	32%	68%	100%	36%	64%	100%	28%	72%	100%
	Other postgraduate	5	5	10	0	5	5	15	30	45	20	25	50	44%	56%	100%	29%	71%	100%	33%	67%	100%	47%	53%	100%
All graduates	First degree	2,900	4,050	6,950	3,235	4,720	7,950	3,260	4,525	7,785	3,055	4,510	7,565	42%	58%	100%	41%	59%	100%	42%	58%	100%	40%	60%	100%
	Other undergraduate	420	600	1,020	235	340	570	280	420	700	180	385	565	41%	59%	100%	41%	59%	100%	40%	60%	100%	32%	68%	100%
	Masters	350	740	1,090	460	800	1,260	365	750	1,115	385	695	1,080	32%	68%	100%	37%	63%	100%	33%	67%	100%	35%	65%	100%
	Doctorate	115	305	420	145	360	505	125	290	415	125	360	490	27%	73%	100%	28%	72%	100%	30%	70%	100%	26%	74%	100%
	Other postgraduate	75	50	125	30	55	85	45	90	135	45	70	115	59%	41%	100%	38%	62%	100%	32%	68%	100%	39%	61%	100%

HE academic staff by cost centre, type of academic contract (academic employment function/professorship marker), nationality (UK/non-UK), age-band and gender, 2011/12 to 2014/15.
 Source: HESA Staff Record 2011/12, 2012/13, 2013/14, 2014/15

HE academic staff by cost centre, nationality (UK/non-UK), and gender, 2011/12 to 2014/15.

		Female	Male	Total	Female	Male	Total	Female	Male	Total	Female	Male	Total
UK	Mathematics	325	1,490	1,815	355	1,520	1,875	360	1,535	1,895	365	1,535	1,895
	Other	43,660	59,010	102,675	45,030	60,040	105,065	46,670	61,045	107,715	48,085	61,715	109,800
	Total	43,985	60,500	104,490	45,380	61,560	106,940	47,025	62,580	109,610	48,450	63,245	111,695
Non-UK	Mathematics	290	1,095	1,385	320	1,200	1,525	375	1,355	1,730	400	1,415	1,815
	Other	15,870	20,625	36,490	16,920	21,980	38,900	18,545	24,250	42,795	20,290	26,105	46,395
	Total	16,160	21,720	37,880	17,240	23,180	40,425	18,920	25,605	44,525	20,685	27,520	48,210
Not Known	Mathematics	15	70	85	15	55	75	15	65	80	15	65	85
	Other	1,580	1,915	3,500	1,375	1,680	3,055	1,420	1,790	3,210	1,385	1,720	3,105
	Total	1,595	1,985	3,585	1,390	1,740	3,130	1,435	1,855	3,290	1,405	1,785	3,190
All	Mathematics	630	2,655	3,285	690	2,780	3,470	750	3,355	4,105	780	3,015	3,795
	Other	61,110	81,555	142,665									

Female	Male	Total	Female	Male	Total	Female	Male	Total	Female	Male	Total
18%	82%	100%	19%	81%	100%	19%	81%	100%	19%	81%	100%
43%	57%	100%	43%	57%	100%	43%	57%	100%	44%	56%	100%
42%	58%	100%	42%	58%	100%	43%	57%	100%	43%	57%	100%
21%	79%	100%	21%	79%	100%	22%	78%	100%	22%	78%	100%
43%	57%	100%	43%	57%	100%	43%	57%	100%	44%	56%	100%
43%	57%	100%	43%	57%	100%	42%	58%	100%	43%	57%	100%
18%	82%	100%	21%	79%	100%	20%	80%	100%	20%	80%	100%
45%	55%	100%	45%	55%	100%	44%	56%	100%	45%	55%	100%
45%	55%	100%	44%	56%	100%	44%	56%	100%	44%	56%	100%
19%	81%	100%	20%	80%	100%	20%	80%	100%	21%	79%	100%





Average age of academic staff in permanent roles (professors, senior lecturers/lecturers, researchers, and other) in the mathematics cost centre, by

Source: HESA Staff Record 2011/12, 2012/13, 2013/14, 2014/15

Average age of mathematics cost centre permanent academic staff by staff grade and gender (including totals), 2011/12 to 2014/15.

	Female	Male	Total	Female	Male	Total	Female	Male	Total	Female	Male	Total
	50.5	52.2	52	49.6	52.5	52.2	49.4	52.6	52.3	50.4	53	52.7
	43.5	43.2	43.2	43.2	43.5	43.5	42.0	43.1	42.9	41.6	43.2	42.9
	37.2	37.8	37.6	37.7	37.3	37.4	37.7	36.0	36.4	37.0	35.3	35.7
	..	..	..	..	..	41.5	..	..	..	..	..	..
Total	43.8	46	45.6	43.6	45.9	45.5	42.7	45.6	45.0	42.4	45.7	45.1

Note: ".." indicates where a value has been suppressed.

Please see the [guidance notes sheet for more information](#).

Average age of permanent academic staff by cost centre marker and gender (including totals), 2011/12 to 2014/15.

	Female	Male	Total	Female	Male	Total	Female	Male	Total	Female	Male	Total
	43.8	46.0	45.6	43.6	45.9	45.5	42.7	45.6	45.0	42.4	45.7	45.1
	45.1	47.0	46.2	45.3	47.1	46.3	45.4	47.1	46.3	45.4	47.1	46.4
Total	45.1	47.0	46.2	45.3	47.1	46.3	45.3	47.0	46.3	45.3	47.1	46.3

Note: ".." indicates where a value has been suppressed.

Please see the [guidance notes sheet for more information](#).

Explanatory Notes

Table Title

Notes

Professorial status is not available for non-academic atypical staff.

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Average age calculations have be calculated on the FPE permanent academic staff with a known age. Atypical staff have been excluded.

Staff grades are defined using the professorial marker/ contract levels and academic employment function fields as follows:

Average age of permanent academic staff by cost centre marker and gender (including totals), 2011/12 to 2014/15.

Average age calculations have been calculated on the FPE permanent academic staff with a known age. Atypical staff have been excluded.

Suppression rules for HESA data

Counts

Counts of student instances (and apportioned subject-level data) and staff are rounded to the nearest multiple of 5. Halves are always rounded upwards. For example 0, 1, 2 are rounded to 0, 3 is represented as 5, 22 is represented as 20, 3286 is represented as 3285 while 0, 20, 55, 3510 remain unchanged. This rounding strategy is also applied to total figures, so the sum of numbers in each row or column may not match the total shown.

Percentages

Percentages are calculated from un-rounded raw numbers.

Averages

Averages based on 7 or fewer individuals are suppressed