



The information sheet gives data about applicants for British higher education who applied through the UCAS system.

The same data are provided on an Excel spreadsheet.

You will draw statistical diagrams and calculate statistical measures to represent some of the data.

They you will write a short report summarising your findings.



Information sheet

Gender of HE applicants

Gender	Men		Women	
Year	Applicants	Accepted	Applicants	Accepted
1996	203,418	146,407	214,982	140,745
1997	220,733	164,224	238,048	172,114
1998	212,725	159,479	233,732	170,309
1999	210,213	160,340	232,718	174,254
2000	208,429	161,481	233,599	178,266
2001	214,502	170,300	239,331	187,741
2002	217,283	174,368	244,082	193,747
2003	222,375	176,109	254,092	198,198
2004	223,792	175,657	262,236	201,887
2005	238,664	188,397	283,491	216,972
2006	229,121	180,556	277,183	210,334
2007	240,904	189,685	293,591	223,745
2008	259,878	204,695	328,811	251,932
2009	284,757	218,185	355,103	263,669
2010	306,907	220,085	390,444	267,244
2011	307,065	221,876	393,096	270,154

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Age and number of HE applicants

Number of applicants

Age	2006	2007	2008	2009	2010	2011
20 and under	377,333	401,016	432,600	462,376	498,469	507,410
21 to 24	65,532	69,412	78,803	88,351	97,986	96,058
25 to 39	51,322	51,711	61,754	70,425	80,288	77,265
40 and over	12,117	12,356	15,532	18,708	20,608	19,428
Total	506,304	534,495	588,689	639,860	697,351	700,161

Ethnic origin of HE applicants

Number of accepted applicants

Ethnic group	2005	2006	2007	2008	2009	2010	2011
White	279,118	262,507	277,767	306,043	326,235	331,491	333,198
Black	16,065	16,808	18,694	23,014	25,244	27,162	29,688
Asian	33,548	33,551	34,074	37,286	39,169	40,737	43,211
Mixed	9,264	9,285	10,715	12,139	13,307	14,185	15,494
Other	3,583	3,541	3,869	3,878	4,056	4,419	4,709
Unknown	18,666	19,872	19,425	22,664	17,052	6,640	4,935
Total	360,244	345,564	364,544	405,024	425,063	424,634	431,235

UK region from which HE applicants came

Number of accepted applicants

Region	2006	2007	2008	2009	2010	2011
North East	18,753	19,239	21,053	21,753	22,221	22,635
North West	47,977	50,631	55,754	58,104	58,687	58,962
Yorks & Humber	41,555	44,755	49,371	49,917	50,759	52,019
West Midlands	30,579	31,969	36,426	38,532	36,703	37,945
East Midlands	29,825	32,907	37,204	41,600	40,244	39,414
Eastern	19,232	20,247	23,838	27,311	26,271	28,348
Greater London	61,043	63,461	69,049	71,880	77,582	79,388
South East	45,317	48,359	53,189	55,398	57,286	57,141
South West	30,973	33,613	36,662	37,729	40,346	39,217
Wales	21,749	22,488	23,639	26,421	25,162	26,249
Scotland	35,318	36,475	40,618	43,057	42,317	41,163
Northern Ireland	8,569	9,286	9,824	10,152	9,751	9,549
Total	390,890	413,430	456,627	481,854	487,329	492,030

Tariff

Number of accepted applicants

Tariff	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
None/Not known	70,756	70,822	66,696	71,136	98,300	117,449	142,769	145,694	141,640	141,315
001–079	11,888	9,912	10,753	11,210	10,169	15,598	18,266	21,455	21,184	17,982
080–119	12,968	10,895	9,859	9,821	6,601	6,514	6,870	6,648	6,442	6,657
120–179	29,097	26,350	24,094	24,890	18,336	15,582	16,423	16,158	14,728	14,604
180–239	39,955	38,236	36,278	38,596	31,596	28,305	29,859	30,904	28,618	28,217
240–299	46,041	46,042	45,415	49,762	42,353	39,649	42,448	44,751	45,458	46,849
300–359	43,571	45,385	45,958	51,180	45,101	43,343	46,224	49,094	49,624	51,912
360–419	34,039	37,644	39,789	44,077	39,171	39,383	41,484	43,861	42,861	45,521
420–479	21,785	24,652	26,881	29,401	26,214	27,359	28,178	30,134	31,087	32,734
480–539	12,698	14,127	16,382	17,088	15,795	16,995	17,574	18,754	19,723	21,033
540 plus	8,927	9,877	12,190	13,083	11,928	14,367	14,929	17,610	23,269	24,411
Total	331,725	333,942	334,295	360,244	345,564	364,544	405,024	425,063	424,634	431,235

Education sector from which HE applicants came

	2006		2007		2008		2009		2010		2011	
Education sector	Applicants	Accepted	Applicants	Accepted	Applicants	Accepted	Applicants	Accepted	Applicants	Accepted	Applicants	Accepted
Further Education	112,868	85,371	123,906	93,588	102,452	77,563	103,824	76,647	101,366	70,897	89,780	66,057
Grammar school	21,206	18,130	28,390	24,718	32,318	28,074	33,602	28,606	33,305	27,488	31,982	27,503
Higher Education	9,192	5,730	10,320	6,490	1,215	922	839	611	842	563	0	0
Independent	36,146	30,986	38,267	32,661	42,018	35,363	43,848	36,043	42,386	34,357	38,410	32,421
Other	71,508	53,283	72,949	56,225	85,080	65,295	100,478	71,983	151,702	93,227	187,525	111,422
Sixth form college	47,828	40,625	51,599	43,825	82,477	68,078	91,582	73,741	91,190	70,471	85,148	68,033
State exc grammar	133,448	111,439	128,717	107,037	156,901	129,729	170,112	137,432	166,030	127,631	156,505	125,799
Total	432,196	345,564	454,148	364,544	502,461	405,024	544,285	425,063	586,821	424,634	589,350	431,235

Subject groups

Number of accepted applicants

Subject group	2005	2006	2007	2008	2009	2010	2011
A Medicine and dentistry	9,008	9,146	9,057	9,258	9,233	9,246	9,067
B Subjects allied to medicine	26,711	26,710	27,719	43,275	48,171	49,963	48,023
C Biological sciences	32,967	31,321	33,321	35,598	37,049	38,892	40,227
D Veterinary sciences, agriculture and related subjects	4,541	4,455	4,496	4,948	5,542	5,869	6,213
F Physical sciences	15,074	15,012	15,810	16,523	17,328	18,041	18,464
G Mathematical and computer sciences	25,624	24,164	24,622	26,472	28,538	28,948	29,265
H Engineering	22,059	20,986	21,914	23,519	25,452	26,070	26,022
J Technologies	2,466	2,663	2,914	2,968	3,177	3,244	2,817
K Architecture, building and planning	8,779	8,654	9,441	10,333	10,289	9,413	8,956
L Social studies	30,320	29,552	31,876	35,146	36,977	38,841	40,225
M Law	19,210	18,525	19,799	21,196	22,059	21,913	22,768
N Business and administrative studies	48,580	47,436	50,573	55,892	58,545	59,388	61,484
P Mass communications and documentation	10,002	9,201	9,857	10,456	11,057	11,234	11,834
Q Linguistics, Classics and related studies	11,855	11,324	11,791	12,456	12,910	12,703	12,660
R European languages, literature and related studies	4,220	4,023	4,214	4,651	4,618	4,678	4,576
T Non-European languages and related studies	1,935	1,691	1,780	1,558	1,494	1,485	1,434
V Historical and philosophical studies	14,096	12,985	13,390	14,464	14,848	15,002	15,092
W Creative arts and design	45,070	42,848	46,631	49,188	52,382	51,702	53,258
X Education	13,378	13,203	13,980	15,458	16,128	16,455	17,136
Combined sciences	6,269	6,398	5,374	7,320	5,617	8,097	8,361
Combined social sciences	5,125	4,919	6,900	5,762	7,907	5,754	5,639
Combined arts	12,589	11,863	12,455	12,979	13,532	13,172	12,778
Sciences combined with social sciences or arts	18,798	17,889	18,693	20,149	21,016	20,872	19,797
Social sciences combined with arts	10,821	10,403	11,059	11,713	12,509	12,136	11,962
General, other combined and unknown	5,872	5,519	5,764	5,345	5,476	4,211	3,972
Total	405,369	390,890	413,430	456,627	481,854	487,329	492,030

HE applications: try this A

Consider each dataset in turn.

What type(s) of statistical diagram could you use to illustrate the data?

Which type of statistical diagram do you think would be best? Why?

Would it be useful to write any of the data in terms of percentages or ratios?

Are there any statistical measures (averages or measures of spread) which you could use to represent the data?

HE applications: try this B

Write a report about UCAS applications.

Choose some of the datasets to use in your report.

Draw statistical diagrams to illustrate the data you have chosen
– you can draw these by hand or use a spreadsheet.

Calculate any relevant arithmetic or statistical measures
– you can do this using a calculator or the spreadsheet.

Write the report. Describe what your diagrams and measures tell you about UCAS applications.

Reflect on your work

- Which types of diagrams did you use to illustrate the data?
What problems did you have to overcome?
Which were the most effective diagrams?
- Which types of statistical measures did you use?
Why?
- What were your main findings?