

HE Applications

Data Sheet

Gender

Year	Men		Women	
	Applicants	Accepted	Applicants	Accepted
1996	203418	146407	214982	140745
1997	220733	164224	238048	172114
1998	212725	159479	233732	170309
1999	210213	160340	232718	174254
2000	208429	161481	233599	178266
2001	214502	170300	239331	187741
2002	217283	174368	244082	193747
2003	222375	176109	254092	198198
2004	223792	175657	262236	201887
2005	238664	188397	283491	216972
2006	229121	180556	277183	210334

Age (2006)

Age	Applicants	Accepted
17 and under	12895	8919
18	222746	184223
19	99380	79870
20	42312	32109
21	25787	18451
22	17213	11588
23	12691	8376
24	9841	6429
25 - 29	27564	17509
30 - 39	23758	15255
40 and over	12117	8161
Total	506304	390890

Education Sector (2006)

Sector	Applicants	All Accepted	Degree Accepted	HND Accepted
Comprehensive School	112139	93141	91746	1395
Further/Higher Education	123493	92125	88617	3508
Grammar School	21206	18130	18072	58
Independent School	36143	30983	30843	140
Other	8986	6658	6550	108
Other Maintained	21457	18408	18239	169
Sixth Form Centre	2887	2404	2375	29
Sixth Form College	44607	37957	37390	567
Unknown	61278	45758	43106	2652
Total	432196	345564	336938	8626

Source: www.ucas.co.uk

Socio-economics (2006)

Socio-economics	Applicants	All Accepted	Degree Accepted	HND Accepted
Higher managerial/professional	67250	57010	56401	609
Lower managerial/professional	97668	79777	78383	1394
Intermediate occupations	46518	37190	36543	647
Small employers/own account	24524	19771	19250	521
Lower supervisory/technical	15113	12258	11940	318
Semi-routine occupations	45661	34949	34014	935
Routine occupations	19490	15267	14711	556
Unknown	115972	89342	85696	3646
Total	432196	345564	336938	8626

Domicile

Year	Home		European Union		Other Overseas	
	Applicants	Accepted	Applicants	Accepted	Applicants	Accepted
1996	364885	268289	27733	13937	25782	13581
1997	398327	303318	30834	16743	29620	16277
1998	389588	298220	27914	15889	28955	15679
1999	388691	303065	26676	15521	27564	16008
2000	389091	308718	23774	14046	29163	16983
2001	399645	325472	19988	12175	34200	20394
2002	401854	331725	19313	11992	40198	24398
2003	409968	333942	20428	12572	46071	27793
2004	413334	334295	25217	15452	47477	27797
2005	444630	360244	28708	17247	48817	27878
2006	432196	345564	29932	18280	44176	27046

Ethnic Origin (2006)

Ethnic Origin	Applicants	All Accepted	Degree Accepted	HND Accepted
Asian - Bangladeshi	3964	3147	3058	89
Asian - Chinese	3935	3311	3257	54
Asian - Indian	16977	14066	13688	378
Asian - Other	5289	4015	3929	86
Asian - Pakistani	11705	9012	8635	377
Black - African	16120	10973	10673	300
Black - Caribbean	6321	4725	4571	154
Black - Other	1536	1110	1071	39
Mixed - Other	3846	3016	2963	53
Mixed - White and Asian	3755	3045	2997	48
Mixed - White and Black African	1376	1053	1009	44
Mixed - White and Black Caribbean	2845	2171	2109	62
Other Ethnic Background	4681	3541	3468	73
Unknown	21833	19872	18451	1421
White	328013	262507	257059	5448
Total	432196	345564	336938	8626

Source: www.ucas.co.uk

Subject Groups

Subject Group	2002		2003		2004		2005		2006	
	App	Acc	App	Acc	App	Acc	App	Acc	App	Acc
A Medicine & Dentistry	13644	7885	16753	8615	19982	8944	22039	9008	21590	9146
B Allied to Medicine	26820	20010	30510	22050	35060	24041	41441	26711	42195	26710
C Biological Sciences	31874	28548	34142	29775	33501	29884	35614	32967	34282	31321
Combined Arts	9013	11839	9112	11669	9256	11467	9849	12589	8996	11863
Combined Sciences	2392	6039	2130	5539	1932	5497	2151	6269	2262	6398
Combined Social Sciences	2578	5197	2875	5382	2885	5123	2760	5125	2501	4919
D Vet Sci, Ag & related	4663	3975	4723	4150	4450	4105	4703	4541	4523	4455
F Physical Sciences	13635	14329	13666	14453	13281	13953	14384	15074	14499	15012
G Mathematical & Comp Sci	34136	31571	30532	28871	26255	25571	26250	25624	24722	24164
General, other combined & unknown	1914	6724	2088	6451	1981	5596	1567	5872	1546	5519
H Engineering	21182	21934	21426	21725	22270	21962	22858	22059	21138	20986
J Technologies	1552	2424	1391	2311	1504	2499	1512	2466	1630	2663
K Architecture, Build & Plan	6163	6284	6698	6986	7753	7780	9103	8779	9202	8654
L Social Sciences	25386	24643	27248	25108	31215	26884	37109	30320	36627	29552
M Law	18458	16104	20760	17890	22419	18690	22206	19210	20644	18525
N Business & Admin Studies	53198	45844	53370	46254	52879	45848	55277	48580	52717	47436
No preferred subject group	74960	0	76102	0	72248	0	73608	0	74803	0
P Mass Comms & Documentation	9220	8656	9084	9033	9167	9056	10528	10002	9303	9201
Q Linguistics, Classics & related	11086	10529	11522	10744	12158	10991	12907	11855	12583	11324
R European Langs, Lit & related	4127	4010	3989	3841	3979	3889	4498	4220	4581	4023
Sciences with Social Sciences/Arts	10512	17973	10398	17834	9778	17103	10298	18798	10047	17889
Social Sciences with Arts	7024	10404	7050	10470	7167	10293	7621	10821	7008	10403
T Non- European Langs & related	1551	2245	1472	2162	1435	2113	1439	1935	1205	1691
V History & Philosophical Studies	13115	12693	13305	12539	14039	12966	15579	14096	14652	12985
W Creative Arts & Design	48365	37633	51333	39242	53778	41112	59547	45070	55970	42848
X Education	14797	10622	14788	11213	15656	12177	17307	13378	17078	13203
Total	461365	368115	476467	374307	486028	377544	522155	405369	506304	390890



Tariff

Tariff	2002		2003		2004		2005		2006	
	App	Acc	App	Acc	App	Acc	App	Acc	App	Acc
None	94661	70756	95787	70822	92227	66696	100703	71136	139724	98300
001 - 079	18156	11888	15089	9912	16117	10753	16509	11210	14385	10169
080 - 119	18495	12968	15875	10895	14352	9859	14385	9821	9699	6601
120 - 179	37410	29097	35432	26350	32442	24094	33712	24890	24646	18336
180 - 239	47906	39955	47474	38236	45528	36278	48385	38596	39438	31596
240 - 299	52593	46041	54087	46042	54501	45415	58979	49762	50266	42353
300 - 359	48622	43571	51590	45385	53217	45958	58415	51180	51445	45101
360 - 419	37346	34039	41848	37644	44710	39789	49004	44077	43754	39171
420 - 479	23591	21785	26965	24652	29522	26881	32168	29401	28739	26214
480 - 539	13627	12698	15254	14127	17709	16382	18415	17088	17195	15795
540 plus	9447	8927	10567	9877	13009	12190	13955	13083	12905	11928
Total	401854	331725	409968	333942	413334	334295	444630	360244	432196	345564

Source: www.ucas.co.uk

HE Applications

Worksheet

The Data Sheets give information about applicants for Higher Education who applied through the UCAS system.

- **Consider each dataset in turn.**

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

Which diagram do you think would be best?

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

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

- **You are asked to write a report about UCAS applications.**

Choose some of the datasets to use in your report.

Draw 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.



Teacher Notes

Unit Advanced Level, Using and applying statistics

Notes

The data on the Data Sheets are also given in the Excel spreadsheet with the same name.

It is expected that students starting this course will already be familiar with a wide range of statistical diagrams and measures. By asking students to discuss the Data Sheets and Worksheet in groups (or in a whole class discussion) you could find out what they know. By asking them to write the report you could also assess how well they can carry out statistical methods and interpret the results.

Alternatively you could use just part of the Data Sheet and spreadsheet together with other resources from the Nuffield website (listed below) to help students learn how to use a spreadsheet to draw statistical diagrams.

- Draw line graphs in Excel, Draw pie charts in Excel, Pie Charts, Box and Whisker Plots, Cumulative frequency graphs in Excel, Histogram

There are also resources on the Nuffield website (listed below) that show how to find statistical measures such as the mean and standard deviation.

- Graphic Calculators, Casio Calculators

Notes about each dataset (from the UCAS website at www.ucas.co.uk) and suggestions for measures that could be used are given below:

Gender

Suggestions: Line graph. Bar chart. Percentages.

Age

An applicant's age (in years) at the end of the September before entry to higher education.

Suggestions: Histogram. Frequency polygon. Cumulative frequency diagram. Boxplot. Mean. Modal group. Median. Quartiles and Interquartile Range. Standard deviation. Percentages. Ratios.

Education Sector

Suggestions: Bar chart. Pie chart. Percentages. Ratios
(N.B. You may want to combine some groups.)

Socio-economics

UCAS assigns socio-economic status based on an applicant's parental occupation (or the occupation of the person contributing the highest income to the household if the applicant is aged 21 years or over) and uses a simplified version of the National Statistics Socio-economic Classification (NS-SEC) since UCAS does not collect employment status or size of organisation from applicants. Provision of this information is voluntary and it is not passed to institutions until after the selection process.

Socio-economic status data are only available for home (UK domiciled) applicants.

Suggestions: Bar chart. Pie chart. Percentages. Ratios.
(N.B. You may want to combine some groups.)

Domicile

Domicile indicates whether applicants are Home (UK), EU (excluding UK), or Other Overseas domiciled.

Suggestions: Line graph. Bar chart. Pie chart. Percentages. Ratios.



Ethnic Origin

Applicants are asked to record their ethnic origin on the UCAS application form. Provision of this information is voluntary and it is not passed to institutions until after the selection process.

Ethnicity data are only for home (UK domiciled) applicants.

Suggestions: Bar chart. Pie chart. Percentages. Ratios.

(N.B. You may want to combine some groups.)

Subject Groups

UCAS subject classifications employ the Joint Academic Coding System (JACS).

Where applicants apply to more than one subject area, the subject group listed most frequently on the application form is counted (preferred subject). For some subjects, this creates the impression that there are more people accepted than applied.

Suggestions: Line graph. Bar chart. Pie chart. Percentages. Ratios.

(N.B. You may want to combine some groups.)

Tariffs

The UCAS Tariff establishes agreed equivalences between different types of qualifications, and reports achievement for entry to higher education in a numerical format. This allows comparisons between applicants with different types and volumes of achievement. Tariff data are only available for UK applicants. If necessary, visit the UCAS website for further details.

Suggestions: Line graph. Histogram. Frequency polygon. Cumulative frequency diagram. Boxplot. Mean. Modal group. Median. Quartiles and Interquartile Range. Standard deviation.

Notes on other terms used**Accepted (applicants)**

Successful UCAS applicants. The numbers of accepted applicants are close, but not necessarily identical, to the numbers who actually enrol.

Applicants

UCAS applicants are those who apply to full-time, undergraduate higher education courses offered by universities or colleges in membership of the UCAS scheme.

Applications

Each applicant may make up to six applications to different courses and/or institutions.

From 2000 entry onwards applicants to Medicine were limited to four applications.

From 2001 entry this restriction also applied to Dentistry and Veterinary science applicants.

Degree or HND

An applicant may make applications to degree courses, HND courses, or both. DipHE courses and Foundation Degrees are coded to Degree for statistical purposes. HNC courses are coded to HND.

For more information and data (eg Clearing numbers) visit the UCAS website at www.ucas.co.uk.

