PREFILLING U-MULTIRANK DATA FOR
THE UNITED KINGDOM

U-Multriank is a multidimensional and inclusive ranking for higher education institutions (HEIs). To increase the coverage and therefore, the representativeness of the data, we use publicly available data sources to prefill the values for institutions. Publicly available sources are also used to cross-reference the information retrieved from institutions themselves. This document provides an overview of the sources found and reviewed, their use for cross-referencing and prefilling values for higher education institutions in the United Kingdom.

While we try to consult national experts to validate the data as much as possible, we recognise that available data and definitions can change over time and better sources emerge. Thus, we welcome your feedback in case you think that the approach used here is not representative of your institution or country, or you are aware of alternative or better sources.

The publicly available data sources used for populating data for the UK HEIs are:

- **HESA: (**the) Higher Education Statistics Agency
- The **World Bank:** exchange rate and PPP for revenue and expense data

NATIONAL

Measurement level: Institutional level (HE Provider). Data aggregated at a higher level is not suitable for U-Multirank.

HESA (the Higher Education Statistics Agency) encompass the experts in UK higher education data, and the designated data body for England. HESA collects, assures and disseminates data about higher education (HE) in the UK on behalf of their Statutory Customers. HESA works with HE providers across the UK and provides a rich, open source of HE information for data users[1].

Data published on the HESA website is free to copy, use, share, and adapt for any purpose. HESA open data is published under the Creative Commons Attribution 4.0 International (CC BY 4.0) licence. Data users must give appropriate credit (HESA, www.hesa.ac.uk), provide a link to the licence, and indicate if any changes have been made[2].

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[1] HESA. (2019). About HESA. Retrieved from HESA: https://www.hesa.ac.uk/about
[2] HESA. (2019). About HESA Open Data. Retrieved from HESA: https://www.hesa.ac.uk/data-and-analysis

Data obtained for U-Multirank:

- Student data (e.g. enrolment, new entrants, graduate, international student data)
- Academic staff data (e.g. academic staff employed(FTE/HC), female academic staff employ)
- Financial data (e.g. revenue data, including external revenue sources and expense categories)
- Start-up data

U-Multirank is based on a 3-year average with a two-year time lag. Thus, U-Multirank 2020 will contain 2016-2018 data. For 2020 U-Multirank ranking we will use HESA data for 2016 (201617 data released on January 2018), 2017 (2017/18 data released on January 2018). Since 2018 data is released after the data collection cycle has started (2017/18 data released in February 2019), higher education institutions are invited to complete the 2018 data themselves.

INTERNATIONAL SOURCES

Measurement level: Institutional level except for exchange rate and PPP, which is required on a country level.

(the) **World Bank** provides financial and technical assistance to developing countries. At the World Bank, the Development Data Group coordinates statistical and data work and maintains a number of macro, financial and sector databases. The World Bank's data bank contains a large array of publicly available data[3], including exchange rate and PPP data.

Data obtained:

- Data on exchange rates and PPP rates to convert and compare revenue and expense data.

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[3] World Bank. (2019). The Wolrd Bank Data. Retrieved from the World Bank: https://data.worldbank.org/about

U-Multirank Question	Data element	Mapped element
Q1: Name	Legal name of the institution	
	English name to appear in U-Multirank	
Q2: General characteristics	Type of institution:	
	Public/ private character:	
	Foundation year of current institution:	
	Availability of an institutional strategic plan for online learning	
Q3: Contact	Contact person first name:	
	Contact person last name:	
	Position /Unit:	
	Phone:	
	E-mail	
Q4: Programs	Short degree	
	Short degree online	
	Bachelor	
	Bachelor online	
	Bachelor part-time	
	Master	
	Master online	

U-Multirank Question	Data element	Mapped element
	Master Part-time	
	Long first degree	
	Doctorate/PhD	
	Doctorate/PhD online	
Q5: Students	Students enrolled	*source:* HESA data; last updated January 19 (Creative Commons Attribution 4.0 International Licence)
		table: 2017-2018 table-1.csv
		variables: UKPRN First year marker Level of study Mode of study Region of HE provider Country of HE provider Category marker Academic Year
		filters: First year marker=All, Level of study=All, Mode of study=All, Region of HE provider=All, Country of HE provider=All, Category marker=Total, Academic Year=2016/17, Academic Year=2017/18
		function: Total number of students per institution(by UKPRN code) for academic year 2016/17 Total number of students per institution(by UKPRN code) for academic year 2017/18
		link: https://www.hesa.ac.uk/data-and-analysis/students/table-1

U-Multirank Question	Data element	Mapped element

	Female students enrolled	*source:* HESA data; last updated January 19
		            (Creative Commons Attribution 4.0 International Licence)
		table: 2017-2018 table-1.csv
		
		variables: UKPRN
		            First year marker
		            Level of study
		            Mode of study
		            Region of HE provider
		            Country of HE provider
		            Category marker
		            Category
		            Academic Year
		
		filters: First year marker=All,
		            Level of study=All,
		            Mode of study=All,
		            Region of HE provider=All,
		            Country of HE provider=All,
		            Category marker=Sex,
		            Category=Female
		            Academic Year=2016/17;
		            Academic Year=2017/18
		
		function: Total number of female students per institution(by UKPRN code) for academic year 2016/17

U-Multirank Question	Data element	Mapped element	
			Total number of female students per institution(by UKPRN code) for academic year 2017/18
		link:	https://www.hesa.ac.uk/data-and-analysis/students/table-1
Q6: International students	Foreign degree seeking students	*source:*	HESA data; last updated January 19 (Creative Commons Attribution 4.0 International Licence)
		table:	2017-2018 table-1.csv
		variables:	UKPRN First year marker Level of study Mode of study Region of HE provider Country of HE provider Category marker Category Academic Year
		filters:	First year marker=All, Level of study=All, Mode of study=All, Region of HE provider=All, Country of HE provider=All, Category marker=Domicile, Category=Total Non-UK, Academic Year=2016/17, Academic Year=2017/18

U-Multirank Question	Data element	Mapped element	
		function:	Total number of foreign students per institution(by UKPRN code) for academic year 2016/17
			Total number of foreign students per institution(by UKPRN code) for academic year 2017/18
		link:	https://www.hesa.ac.uk/data-and-analysis/students/table-1
	Incoming students in international exchange programmes		
	Students sent out in international exchange programs		
	Students in international joint degree programmes		
Q7: New entrants	New entrants enrolled in 1st year bachelor programmes	*source:*	HESA data; last updated January 19 (Creative Commons Attribution 4.0 International Licence)
		table:	2017-2018 table-1.csv
		variables:	UKPRN
			First year marker
			Level of study
			Mode of study
			Region of HE provider
			Country of HE provider
			Category marker
			Academic Year
		filters:	First year marker= First year,

U-Multirank Question	Data element	Mapped element	
			Level of study= First degree, Mode of study= Full-time, Region of HE provider=All, Country of HE provider=All, Category marker=Total, Academic Year=2016/17, Academic Year=2017/18
		function:	New full-time entrants into Bachelors programs per institution(by UKPRN code) for academic year 2016/17 New full-time entrants into Bachelors programs per institution(by UKPRN code) for academic year 2017/18
		link:	https://www.hesa.ac.uk/data-and-analysis/students/table-1
	Transfer into bachelor 2nd year		
	Transfer into bachelor 3rd year		
	New entrants enrolled in 1st year bachelor parttime programmes	*source:*	HESA data; last updated January 19 (Creative Commons Attribution 4.0 International Licence)
		table:	2017-2018 table-1.csv
		variables:	UKPRN First year marker Level of study Mode of study Region of HE provider Country of HE provider Category marker Academic Year

U-Multirank Question	Data element	Mapped element
		filters: First year marker= First year, Level of study= First degree, Mode of study= Part-time, Region of HE provider=All, Country of HE provider=All, Category marker=Total, Academic Year=2016/17, Academic Year=2017/18 *function:* New part-time entrants into Bachelors programs per institution(by UKPRN code) for academic year 2016/17 New part-time entrants into Bachelors programs per institution(by UKPRN code) for academic year 2017/18 *link:* https://www.hesa.ac.uk/data-and-analysis/students/table-1
	New entrants enrolled in 1st year master programmes	*source:* HESA data; last updated January 19 (Creative Commons Attribution 4.0 International Licence) *table:* 2017-2018 table-1.csv *variables:* UKPRN First year marker Level of study Mode of study Region of HE provider Country of HE provider Category marker Academic Year

U-Multirank Question	Data element	Mapped element	
		filters:	First year marker= First year, Level of study=Postgraduate (taught), Mode of study=Full-time, Region of HE provider=All, Country of HE provider=All, Category marker=Total, Academic Year=2016/17, Academic Year=2017/18,
		function:	New full-time entrants into Masters programs per institution(by UKPRN code) for academic year 2016/17 New full-time entrants into Masters programs per institution(by UKPRN code) for academic year 2017/18
		link:	https://www.hesa.ac.uk/data-and-analysis/students/table-1
	Transfer into master 2nd year		
	New entrants enrolled in 1st year master parttime programmes	*source:*	HESA data; last updated January 19 (Creative Commons Attribution 4.0 International Licence)
		table:	2017-2018 table-1.csv
		variables:	UKPRN First year marker Level of study Mode of study Region of HE provider Country of HE provider Category marker

U-Multirank Question	Data element	Mapped element
		Academic Year
		filters: First year marker= First year, Level of study=Postgraduate (taught), Mode of study=Part-time, Region of HE provider=All, Country of HE provider=All, Category marker=Total, Academic Year=2016/17, Academic Year=2017/18,
		function: New part-time entrants into Masters programs per institution(by UKPRN code) for academic year 2016/17 New part-time entrants into Masters programs per institution(by UKPRN code) for academic year 2017/18
		link: https://www.hesa.ac.uk/data-and-analysis/students/table-1
	Percentage of new entrants in bachelor programmes coming from the institution's region	
	Region used	
Q8: Internships	Students in internships	
	Students in internships in the institution's region	
	Students in internships abroad	
Q9: Graduates	Short degree	
		source: HESA data; last updated January 19 (Creative Commons Attribution 4.0 International Licence)

U-Multirank Question	Data element	Mapped element	
		table:	Students 2017-18 table-16.csv
		variables:	UKPRN Region of HE provider Country of HE provider Qualification Classification marker Level of qualification Degree classification Academic Year
		filters:	Region of HE provider=All, Country of HE provider=All, Qualification Classification marker=Level of qualification, Level of qualification Degree classification=Other undergraduate, Level of qualification Degree classification=Foundation degree, Level of qualification Degree classification=HNC/HND,
		function:	Short-degree graduates per institution(by UKPRN code) for academic year 2016/17 Short-degree graduates per institution(by UKPRN code) for academic year 2017/18
		link:	https://www.hesa.ac.uk/data-and-analysis/students/table-16
	Bachelor	source:	HESA data; last updated January 19 (Creative Commons Attribution 4.0 International Licence)
		table:	Students 2017-18 table-16.csv
		variables:	UKPRN Region of HE provider Country of HE provider

U-Multirank Question	Data element	Mapped element	
			Qualification Classification marker
			Level of qualification Degree classification
			Academic Year
		filters:	Region of HE provider=All,
			Country of HE provider=All,
			Qualification Classification marker=Level of qualification,
			Level of qualification Degree classification=First degree,
		function:	Bachelor graduates per institution(by UKPRN code) for academic year 2016/17
			Bachelor graduates per institution(by UKPRN code) for academic year 2017/18
		link:	https://www.hesa.ac.uk/data-and-analysis/students/table-16
	Bachelor part-time		
	Master	*source:*	HESA data; last updated January 19
			(Creative Commons Attribution 4.0 International Licence)
		table:	Students 2017-18 table-16.csv
		variables:	UKPRN
			Region of HE provider
			Country of HE provider
			Qualification Classification marker
			Level of qualification Degree classification
			Academic Year
		filters:	Region of HE provider=All,
			Country of HE provider=All,

U-Multirank Question	Data element	Mapped element	
			Qualification Classification marker=Level of qualification, Level of qualification Degree classification=Masters taught,
		function:	Masters graduates per institution(by UKPRN code) for academic year 2016/17 Masters graduates per institution(by UKPRN code) for academic year 2017/18
		link:	https://www.hesa.ac.uk/data-and-analysis/students/table-16
	Master Part-time		
	Long first degree		

U-Multirank Question	Data element	Mapped element	
	Doctorate/Phd	*source:*	HESA data; last updated January 19 (Creative Commons Attribution 4.0 International Licence)
		table:	Students 2017-18 table-16.csv
		variables:	UKPRN Region of HE provider Country of HE provider Qualification Classification marker Level of qualification Degree classification Academic Year
		filters:	Region of HE provider=All, Country of HE provider=All, Qualification Classification marker=Level of qualification, Level of qualification Degree classification=Doctorate research,
		function:	Doctorate graduates per institution(by UKPRN code) for academic year 2016/17 Doctorate graduates per institution(by UKPRN code) for academic year 2017/18
		link:	https://www.hesa.ac.uk/data-and-analysis/students/table-16
	Foreign doctorates		
	Female doctorates		
Q10: Graduates by field	Education	*source:*	HESA data; last updated January 19 (Creative Commons Attribution 4.0 International Licence)
		table:	Students table-19-(2017-18).csv
		variables:	UKPRN Region of HE provider

U-Multirank Question	Data element	Mapped element
		Country of HE provider Level of qualification obtained Subject of study marker Subject of study Academic Year *filters:* Region of HE provider=All, Country of HE provider=All, Level of qualification obtained= All, Subject of study marker= Subject area, Subject of study= (I) Education *function:* Graduates per field(Education) per institution(by UKPRN code) for academic year 2017/18 *link:* https://www.hesa.ac.uk/data-and-analysis/students/table-19
	Humanities and arts	*source:* HESA data; last updated January 19 (Creative Commons Attribution 4.0 International Licence) *table:* Students table-19-(2017-18).csv *variables:* UKPRN Region of HE provider Country of HE provider Level of qualification obtained Subject of study marker Subject of study Academic Year *filters:* Region of HE provider=All,

U-Multirank Question	Data element	Mapped element
		Country of HE provider=All, Level of qualification obtained= All, Subject of study marker= Subject area, Subject of study= (F) Languages & (G) Historical and philosophical studies & (H) Creative arts and design *function:* Graduates per field (Humanities and arts) per institution(by UKPRN code) for academic year 2017/18 *link:* https://www.hesa.ac.uk/data-and-analysis/students/table-19
	Social sciences	*source:* HESA data; last updated January 19 (Creative Commons Attribution 4.0 International Licence) table: Students table-19-(2017-18).csv *variables:* UKPRN Region of HE provider Country of HE provider Level of qualification obtained Subject of study marker Subject of study Academic Year *filters:* Region of HE provider=All, Country of HE provider=All, Level of qualification obtained= All, Subject of study marker= Subject area, Subject of study= (B) Social studies & (E) Mass communications and documentation

U-Multirank Question	Data element	Mapped element	
		function:	Graduates per field (Social sciences) per institution(by UKPRN code) for academic year 2017/18
		link:	https://www.hesa.ac.uk/data-and-analysis/students/table-19
	Business and law	*source:*	HESA data; last updated January 19 (Creative Commons Attribution 4.0 International Licence)
		table:	Students table-19-(2017-18).csv
		variables:	UKPRN Region of HE provider Country of HE provider Level of qualification obtained Subject of study marker Subject of study Academic Year
		filters:	Region of HE provider=All, Country of HE provider=All, Level of qualification obtained= All, Subject of study marker= Subject area, Subject of study= (C)Law & (D) Business and administrative studies
		function:	Graduates per field (Business and law) per institution (by UKPRN code) for academic year 2017/18
		link:	https://www.hesa.ac.uk/data-and-analysis/students/table-19

U-Multirank Question	Data element	Mapped element	
	Natural science, mathematics and statistics	*source:*	HESA data; last updated January 19 (Creative Commons Attribution 4.0 International Licence)
		table:	Students table-19-(2017-18).csv
		variables:	UKPRN Region of HE provider Country of HE provider Level of qualification obtained Subject of study marker Subject of study Academic Year
		filters:	Region of HE provider=All, Country of HE provider=All, Level of qualification obtained= All, Subject of study marker= Subject area, Subject of study= (3) Biological sciences & (6) Physical sciences & (7) Mathematical sciences,
		function:	Graduates per field (Natural science, mathematics and statistics) per institution (by UKPRN code) for academic year 2017/18
		link:	https://www.hesa.ac.uk/data-and-analysis/students/table-19
	Information and communication technologies	*source:*	HESA data; last updated January 19 (Creative Commons Attribution 4.0 International Licence)
		table:	Students table-19-(2017-18).csv
		variables:	UKPRN Region of HE provider

U-Multirank Question	Data element	Mapped element		
			Country of HE provider Level of qualification obtained Subject of study marker Subject of study Academic Year	
		filters:	Region of HE provider=All, Country of HE provider=All, Level of qualification obtained= All, Subject of study marker= Subject area, Subject of study= (8) Computer science	
		function:	Graduates per field (Information and communication technologies) per institution (by UKPRN code) for academic year 2017/18	
		link:	https://www.hesa.ac.uk/data-and-analysis/students/table-19	
	Engineering, manufacturing and construction	*source:*	HESA data; last updated January 19 (Creative Commons Attribution 4.0 International Licence)	
		table:	Students table-19-(2017-18).csv	
		variables:	UKPRN Region of HE provider Country of HE provider Level of qualification obtained Subject of study marker Subject of study Academic Year	
		filters:	Region of HE provider=All,	

U-Multirank Question	Data element	Mapped element	
			Country of HE provider=All, Level of qualification obtained= All, Subject of study marker= Subject area, Subject of study= (9) Engineering and technology & (A) Architecture, building and planning
		function:	Graduates per field (Engineering, manufacturing and construction) per institution (by UKPRN code) for academic year 2017/18
		link:	https://www.hesa.ac.uk/data-and-analysis/students/table-19
	Agriculture forestry, fisheries and veterinary	*source:*	HESA data; last updated January 19 (Creative Commons Attribution 4.0 International Licence)
		table:	Students table-19-(2017-18).csv
		variables:	UKPRN Region of HE provider Country of HE provider Level of qualification obtained Subject of study marker Subject of study Academic Year
		filters:	Region of HE provider=All, Country of HE provider=All, Level of qualification obtained= All, Subject of study marker= Subject area, Subject of study= (5) Agriculture and related subjects & (4) Veterinary science
		function:	Graduates per field (Agriculture forestry, fisheries and veterinary) per institution (by UKPRN code) for academic year 2017/18
		link:	https://www.hesa.ac.uk/data-and-analysis/students/table-19

U-Multirank Question	Data element	Mapped element

	Health and social welfare	*source:* HESA data; last updated January 19
		               (Creative Commons Attribution 4.0 International Licence)
		table: Students table-19-(2017-18).csv
		
		variables: UKPRN
		               Region of HE provider
		               Country of HE provider
		               Level of qualification obtained
		               Subject of study marker
		               Subject of study
		               Academic Year
		
		filters: Region of HE provider=All,
		               Country of HE provider=All,
		               Level of qualification obtained= All,
		               Subject of study marker= Subject area,
		               Subject of study=(1) Medicine and dentistry & (2) Subjects allied to medicine
		
		function: Graduates per field (Health and social welfare) per institution (by UKPRN code) for academic year 2017/18
		link: https://www.hesa.ac.uk/data-and-analysis/students/table-19

	Services	
Q11: Graduates on time	Bachelor	

U-Multirank Question	Data element	Mapped element
	Bachelor part-time	
	Master	
	Master Part-time	
	Long first degree	
Q12: Graduate unemployment	Bachelor	
	Master	
	Long first degree	
	Reference period used	
Q13: Graduates in region	Bachelor	
	Master	
	Long first degree	
	Region used	

Q14: Academic staff	Academic staff in FTEs	*source:* HESA data; last updated April 19
		            (Creative Commons Attribution 4.0 International Licence)
		 table: Staff 2017-18 table-6.csv
		
		 variables: UKPRN
		            Region of HE provider
		            Country of HE provider
		            Contract marker
		            Activity standard occupational classification
		            Academic Year
		
		 filters: Region of HE provider=All,
		            Country of HE provider=All,

U-Multirank Question	Data element	Mapped element	
			Contract marker=Total academic staff (including atypical), Activity standard occupational classification=Total academic staff (including atypical)
		function:	Academic staff in FTEs per institution(by UKPRN code) for academic year 2016/17 Academic staff in FTEs per institution(by UKPRN code) for academic year 2017/18
		link:	https://www.hesa.ac.uk/data-and-analysis/staff/table-6
	Academic staff head-count	*source:*	HESA data; last updated February 19 (Creative Commons Attribution 4.0 International Licence)
		table:	staff 2017 2018 table-7.csv
		variables:	UKPRN Region of HE provider Country of HE provider Mode of employment Activity standard occupational classification Category Marker Category Academic Year
		filters:	Region of HE provider=All, Country of HE provider=All, Mode of employment=All, Activity standard occupational classification=All, Category Marker=Total academic staff, Category=Total academic staff,
		function:	Academic staff headcount per institution(by UKPRN code) for academic year 2016/17 Academic staff headcount per institution(by UKPRN code) for academic year 2017/18
		link:	https://www.hesa.ac.uk/data-and-analysis/staff/table-7

U-Multirank Question	Data element	Mapped element
	academic staff with foreign nationality	
	female academic staff	*source:* HESA data; last updated February 19 (Creative Commons Attribution 4.0 International Licence) *table:* staff 2017 2018 table-7.csv *variables:* UKPRN Region of HE provider Country of HE provider Mode of employment Activity standard occupational classification Category Marker Category Academic Year *filters:* Region of HE provider=All, Country of HE provider=All, Mode of employment=All, Activity standard occupational classification=All, Category Marker=Sex, Category=Female, *function:* Female academic staff headcount per institution(by UKPRN code) for academic year 2016/17, Female academic staff headcount per institution(by UKPRN code) for academic year 2017/18, *link:* https://www.hesa.ac.uk/data-and-analysis/staff/table-7
	Status of doctoral candidates	

U-Multirank Question	Data element	Mapped element
	Doctoral candidates counted as academic staff in FTEs	
	Doctoral candidates counted as academic staff in headcount	
	Doctoral candidates with foreign nationality	
	Female doctoral candidates	
Q15: Post-docs	Post docs (head-count)	
Q16: Currency and Unit	Currency	
Q17: Revenues	Unit	
	Total revenues	*source:* HESA data; last updated March 19 (Creative Commons Attribution 4.0 International Licence) table: Finance 2017-18 table-1.csv *variables:* UKPRN Region of HE provider Country of HE provider Category Marker Category Academic Year *filters:* Region of HE provider=All, Country of HE provider=All, Category Marker=Income, Category=Total Income,

U-Multirank Question	Data element	Mapped element	
		function:	Total revenues per institution(by UKPRN code) for academic year 2016/17, Total revenues per institution(by UKPRN code) for academic year 2017/18,
		link:	https://www.hesa.ac.uk/data-and-analysis/finances/table-1
	Core budget	*source:*	HESA data; last updated March 19 (Creative Commons Attribution 4.0 International Licence)
		table:	Finance 2017-18 table-1.csv
		variables:	UKPRN Region of HE provider Country of HE provider Category Marker Category Academic Year
		filters:	Region of HE provider=All, Country of HE provider=All, Category Marker=Income, Category=Funding body grants,
		function:	Core budget per institution(by UKPRN code) for academic year 2016/17, Core budget per institution(by UKPRN code) for academic year 2017/18,
		link:	https://www.hesa.ac.uk/data-and-analysis/finances/table-1

U-Multirank Question	Data element	Mapped element	
	Tuition fees from students in degree programmes	*source:*	HESA data; last updated March 19 (Creative Commons Attribution 4.0 International Licence)
		table:	Finance 2017-18 table-6.csv
		variables:	UKPRN Region of HE provider Country of HE provider Source of fees Tuition fees and education contracts marker Tuition fees and education contracts Academic Year
		filters:	Region of HE provider=All, Country of HE provider=All, Source of fees=Total, Tuition fees and education contracts marker=Total HE course fees, Tuition fees and education contracts=Total HE course fees,
		function:	Tuition fee revenues per institution(by UKPRN code) for academic year 2016/17, Tuition fee revenues per institution(by UKPRN code) for academic year 2017/18,
		link:	https://www.hesa.ac.uk/data-and-analysis/finances/table-6
	Fees from courses organised within the framework of continuing professional development (CPD)	*source:*	HESA data; last updated March 19 (Creative Commons Attribution 4.0 International Licence)
		table:	Finance 2017-18 table-6.csv
		variables:	UKPRN Region of HE provider

U-Multirank Question	Data element	Mapped element	
			Country of HE provider
			Source of fees
			Tuition fees and education contracts marker
			Tuition fees and education contracts
			Academic Year
		filters:	Region of HE provider=All,
			Country of HE provider=All,
			Source of fees=Total,
			Tuition fees and education contracts marker=Non-credit bearing course fees, Tuition fees and education contracts=Total HE course fees & FE course fees & Research training support grants
		function:	Core revenues per institution(by UKPRN code) for academic year 2016/17,
			Core revenues per institution(by UKPRN code) for academic year 2017/18,
		link:	https://www.hesa.ac.uk/data-and-analysis/finances/table-6
	External revenues from research	*source:*	HESA data; last updated March 19
			(Creative Commons Attribution 4.0 International Licence)
		table:	Finance 2017-18 table-1.csv
		variables:	UKPRN
			Region of HE provider
			Country of HE provider
			Category Marker
			Category
			Academic Year
		filters:	Region of HE provider=All,

U-Multirank Question	Data element	Mapped element	
			Country of HE provider=All, Category Marker=Income, Category=Research grants and contracts,
		function:	External research revenues per institution(by UKPRN code) for academic year 2016/17, External research revenues per institution(by UKPRN code) for academic year 2017/18,
		link:	https://www.hesa.ac.uk/data-and-analysis/finances/table-1
	external revenues from privately funded research contracts	*source:*	HESA data; last updated March 19 (Creative Commons Attribution 4.0 International Licence)
		table:	table-5-(2016-17).csv, table-5-(2017-18).csv
		variables:	UKPRN Region of HE provider Country of HE provider HESA cost centre marker HESA cost centre Source of income Academic Year
		filters:	Region of HE provider=All, Country of HE provider=All, HESA cost centre marker=207 Total research grants and contracts, HESA cost centre=207 Total research grants and contracts, Source of income=2 UK-based charities (open competitive process) & 3 UK based charities (other) & 6 UK industry, commerce and public corporations & 9 EU-based charities (open competitive process & 10 EU industry, commerce and public corporations & 12 Non-EU-

U-Multirank Question	Data element	Mapped element	
			based charities (open competitive process) & 13 Non-EU industry, commerce and public corporations
		function:	External private research revenues per institution(by UKPRN code) for academic year 2016/17, External private revenues per institution(by UKPRN code) for academic year 2017/18,
		link:	https://www.hesa.ac.uk/data-and-analysis/finances/table-5
	Revenues from licensing agreements, copyrighted products and royalties	*source:*	HESA data; last updated April 19 (Creative Commons Attribution 4.0 International Licence)
		table:	hebci 2017-18 table_4c.csv
		variables:	UKPRN Academic Year
			All sub-categories of other variables selected since category "all" was not available *Other variables are:* Region of HE provider Country of HE provider Income source Type of organisation Unit
		filters:	No filters besides academic year applied
		function:	Revenues from licensing agreements, copyrighted products and royalties per institution(by UKPRN code) for academic year 2016/17, Revenues from licensing agreements, copyrighted products and royalties per institution(by UKPRN code) for academic year 2017/18,
		link:	https://www.hesa.ac.uk/data-and-analysis/providers/business-community/table-4c

U-Multirank Question	Data element	Mapped element
	Other revenues	
Q18: Revenues by source	Tuition fees from international sources as % of total tuition fee revenues	
	External research revenues: % from international sources	
	External research revenues: % from national sources	
	External research revenues: % from regional sources	
Q19: Expenditure	Total expenditure	*source:* HESA data; last updated March 19 (Creative Commons Attribution 4.0 International Licence) *table:* Finance 2017-18 table-1.csv *variables:* UKPRN Region of HE provider Country of HE provider Category Marker Category Academic Year *filters:* Region of HE provider=All, Country of HE provider=All, Category Marker=Expenditure, Category=Total Expenditure,

U-Multirank Question	Data element	Mapped element	
		function:	Total expenditure per institution(by UKPRN code) for academic year 2016/17, Total expenditure per institution(by UKPRN code) for academic year 2017/18
		link:	https://www.hesa.ac.uk/data-and-analysis/finances/table-1
	% on research		
	% on teaching		
	% on knowledge transfer		
	% on other activities		
Q20: Research outputs	Number of academic publications		
	Number of professional publications		
	Number of art-related research outputs		
Q21: Graduate companies	Number of graduate founded companies	*source:*	HESA data; last updated April 19 (Creative Commons Attribution 4.0 International Licence)
		table:	hebci 2017-18 table_4e.csv
		variables:	UKPRN Academic Year Metric Category Marker
		filters:	Metric=Number (of newly registered companies within the reporting period), Category Marker=Graduate start-ups
		function:	Number of graduate founded companies per institution(by UKPRN code) for academic year 2016/17, Number of graduate founded companies per institution(by UKPRN code) for academic year 2017/18
		link:	https://www.hesa.ac.uk/data-and-analysis/providers/business-community/table-4e

U-Multirank Question	Data element	Mapped element
Q22: Spin-off companies	Number of newly founded spin-off companies	
Q23: Strategic partnerships	Total number of strategic partnerships [?92]	
	With enterprises [?93]	
	…thereof with enterprises in the region	
	With organisations in the civil society [?94]	
	…thereof with organisations in the civil society in the region	