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## PREFILLING U-MULTIRANK DATA FOR ITALY

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U-Multirank is a multidimensional and inclusive ranking. 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 will also be used to cross-reference the information retrieved from other sources. This document provides an overview of the sources found and reviewed, their use for cross-referencing and their use to prefill values for Italian institutions included in U-Multirank and mapping choices made.

The key sources used for Italy are:

- **University** is an open public database with data on Uni degree programmes <https://www.university.it/index.php/cercacorsi/universita>
- **Cercauniversita** is an open public database; <https://cercauniversita.cineca.it/php5/dottorati/cerca.php>
- **ANS** public data on students (total and intake) and graduates (if on time), if female, by type (no post-grad), by nationality, by field of study; <http://anagrafe.miur.it/index.php>
- **OpenData-Studenti** is the Ministry portal on Higher Education data: data on students (total and intake) and post-degrees, on graduates, by field of study; if female and international; <http://ustat.miur.it/opendata/>
- **AlmaLaurea-db Condizione Occupazionale** is a yearly massive survey on graduates employment (also db Profilo Laureati for their satisfaction). Data on graduates (by type of programme; 1 year after the degree): employment status (section 3): working; not working, if looking, if not looking, if enrolled in another programme; unemploy. official rate. ; <https://www.almalaurea.it/universita/occupazione>
- **CercaUniversita-db Docenti** public data (download in Excel) on University professors and researchers (by name), if female, by type (all), by field, by subject, by uni. N.B: No if international, no FTE; <https://cercauniversita.cineca.it/php5/docenti/cerca.php>
- **CercaUniversita-db Assegnisti** public data (download in Excel) on University post-docs (by name), by title of research, by field, by subject, by uni, by Dept. N.B: No if international, no if female; <https://cercauniversita.cineca.it/php5/assegnisti/cerca.php>
- **OpenData-db Personale** has official data on staff (academic and tech/adm). See "Personale universitario": db academics by field of study ("personale docente e ricercatore per area s.d."), by type of acad.staff (professors, researchers, post-docs), by gender, by subject; <http://ustat.miur.it/opendata/>
- **ETER**: data on students, academics, internationalization, revenues and expenditures
- The **World Bank**: exchange rate and PPP for revenue and expense data

## APPENDIX

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

	Master	
	Master online	
	Master Part-time	
	Long first degree	
	Doctorate/PhD	
	Doctorate/PhD online	
<b>Q5: Students</b>	Students enrolled	<p><i>sector</i> All HEIs</p> <p><i>source:</i> ANS</p> <p><i>table:</i> Students: iscritti Year1: anno accademico: 2016/2017 Year2: anno accademico: 2017/2018</p> <p><i>xlsx sheet:</i></p> <p><i>variable:</i></p> <p><i>function:</i> Students: iscritti Year1: anno accademico: 2016/2017 Year2: anno accademico: 2017/2018</p> <p><i>link:</i> <a href="http://anagrafe.miur.it/cerca">http://anagrafe.miur.it/cerca</a></p> <p><i>comments</i> PhD students are not included in these data.</p>
	Female students enrolled	<p><i>sector</i> All HEIs</p> <p><i>source:</i> ANS</p>

		<p><b>table:</b> Students: iscritti          Sesso: Femmine          Year1: anno accademico: 2016/2017          Year2: anno accademico: 2017/2018</p> <p><i>xlsx sheet:</i>  <i>variable:</i>  <i>function:</i>  <i>link:</i></p>
<b>Q6: International students</b>	Foreign degree seeking students	<p><i>sector</i> All HEIs  <i>source:</i> ANS  <b>table:</b> Students: iscritti          Cittadinanze: Cittadinanza straniera          Year1: anno accademico: 2016/2017          Year2: anno accademico: 2017/2018</p> <p><i>xlsx sheet:</i>  <i>variable:</i>  <i>function:</i>  <i>link:</i></p>

	Incoming students in international exchange programmes	
	Students sent out in international exchange programs	
	Students in international joint degree programmes	
<b>Q7: New entrants</b>	New entrants enrolled in 1st year short-degree programmes	<i>sector</i> <i>source:</i> <i>table:</i> <i>xlsx sheet:</i> <i>variable:</i> <i>function:</i> <i>link:</i>
	New entrants enrolled in 1st year bachelor programmes	<i>sector</i> All HEIs <i>source:</i> ANS <i>table:</i> Iscritti Tipo Laurea: Triennale Anno di corso: primo Year1: anno accademico 2013/2014 Year2: anno accademico 2014/2015 Year3: anno accademico 2015/2016 Year4: anno accademico 2016/2017 Year5: anno accademico 2017/2018  <i>xlsx sheet:</i>

		<i>variable:</i> <i>function:</i> <i>link:</i>
	Transfer into bachelor 2nd year	
	Transfer into bachelor 3rd year	
	New entrants enrolled in 1st year bachelor parttime programmes	
	New entrants enrolled in 1st year master programmes	<i>sector:</i> All HEIs <i>source:</i> ANS <i>table:</i> Iscritti Tipo Laurea: Specialistiche Anno di corso: primo Year1: anno accademico 2013/2014 Year2: anno accademico 2014/2015 Year3: anno accademico 2015/2016 Year4: anno accademico 2016/2017 Year5: anno accademico 2017/2018  <i>xlsx sheet:</i> <i>variable:</i> <i>function:</i> <i>link:</i>

		<p><i>sector</i> All HEIs</p> <p><i>source:</i> ANS</p> <p><i>table:</i> Iscritti</p> <p>Tipo Laurea: Ciclo Unico [long first degree]</p> <p>Anno di corso: primo</p> <p>Year1: anno accademico 2013/2014</p> <p>Year2: anno accademico 2014/2015</p> <p>Year3: anno accademico 2015/2016</p> <p>Year4: anno accademico 2016/2017</p> <p>Year5: anno accademico 2017/2018</p> <p><i>xlsx sheet:</i></p> <p><i>variable:</i></p> <p><i>function:</i></p> <p><i>link:</i></p>
	Transfer into master 2nd year	
	New entrants enrolled in 1st year master parttime programmes	
	Percentage of new entrants in bachelor	<p>ANS</p> <p>Iscritti</p>

	programmes coming from the institution's region	Tipo Laurea: Triennale Anno di corso: primo Regione di residenza: X Regione ateneo: X X represents the NUTS 2 regions Total number of new entrants from the region divided by the total number of new entrants bachelor
	Region used	NUTS2
<b>Q8: Internships</b>	Students in internships	
	Students in internships in the institution's region	
	Students in internships abroad	
<b>Q9: Graduates</b>	Short degree	
	Bachelor	<i>sector:</i> All HEIs <i>source:</i> ANS <i>table:</i> Laureati Tipo Laurea: Triennale Year1: anno accademico: 2015/2016 Year2: anno accademico: 2016/2017  <i>xlsx sheet:</i> <i>variable:</i> <i>function:</i> <i>link:</i>



	Bachelor part-time	
	Master	<p><i>sector</i> All HEIs</p> <p><i>source:</i> ANS</p> <p><i>table:</i> Laureati</p> <p>Tipo Laurea: Specialistiche</p> <p>Year1: anno accademico: 2015/2016</p> <p>Year2: anno accademico: 2016/2017</p> <p><i>xlsx sheet:</i></p> <p><i>variable:</i></p> <p><i>function:</i></p> <p><i>link:</i></p>
	Master Part-time	
	Long first degree	<p><i>sector</i> All HEIs</p> <p><i>source:</i> ANS</p> <p><i>table:</i> Laureati</p>

		<p>Tipo Laurea: Ciclo Unico [long first degree]          Year1: anno accademico: 2015/2016          Year2: anno accademico: 2016/2017</p> <p><i>xlsx sheet:</i>  <i>variable:</i>  <i>function:</i>  <i>link:</i></p>
	Doctorate/Phd	<p><i>sector</i> All HEIs  <i>source:</i> Opendata  <i>table:</i>  <i>xlsx sheet:</i> Dottorati_diplomati_ateneo.csv</p> <p><i>variable:</i>  <i>function:</i> M_DIP+F_DIP  <i>link:</i> <a href="http://dati.ustat.miur.it/dataset/formazione-post-laurea/resource/fcd3837a-5a46-4007-a86c-f7ccc512ee5a">http://dati.ustat.miur.it/dataset/formazione-post-laurea/resource/fcd3837a-5a46-4007-a86c-f7ccc512ee5a</a></p>
	Foreign doctorates	<p><i>sector</i> All HEIs  <i>source:</i> Opendata  <i>table:</i>  <i>xlsx sheet:</i> Dottorati_diplomati_ateneo.csv</p> <p><i>variable:</i>  <i>function:</i> Ms_DIP+Fs_Dip  <i>link:</i> <a href="http://dati.ustat.miur.it/dataset/formazione-post-laurea/resource/fcd3837a-5a46-4007-a86c-f7ccc512ee5a">http://dati.ustat.miur.it/dataset/formazione-post-laurea/resource/fcd3837a-5a46-4007-a86c-f7ccc512ee5a</a></p>

	Female doctorates	<i>sector</i> All HEIs <i>source:</i> Opendata <i>table:</i> <i>xlsx sheet:</i> Dottorati_diplomati_ateneo.csv  <i>variable:</i> <i>function:</i> F_DIP <i>link:</i> <a href="http://dati.ustat.miur.it/dataset/formazione-post-laurea/resource/fcd3837a-5a46-4007-a86c-f7ccc512ee5a">http://dati.ustat.miur.it/dataset/formazione-post-laurea/resource/fcd3837a-5a46-4007-a86c-f7ccc512ee5a</a>
<b>Q10: Graduates by field</b>	Education	Classe LM-85; 18 - Scienze dell'educazione e della formazione; L- 19; LM-57; LM-50; LM-85; LM-93
	Humanities and arts	Classe 11 - Lingue e culture moderne; culturali; 14 - Scienze della comunicazione; 23 - Scienze e tecnologie delle arti figurative, della musica, dello spettacolo e della moda; 29 - Filosofia; 3 - Scienze della mediazione linguistica; 38 - Scienze storiche; 42/S; 43/S; 95/S; 98/S; L-1 - Beni culturali;

		<p>L-5 -;</p> <p>L-10;</p> <p>L-11;</p> <p>L-12;</p> <p>L-3 - Discipline delle arti figurative, della musica, dello spettacolo e della moda;</p> <p>L-42;</p> <p>L-43;</p> <p>L-5;</p> <p>LM-14;</p> <p>LM-15;</p> <p>LM-1-;</p> <p>LM-12;</p> <p>LM-36;</p> <p>LM-37;</p> <p>LM-38;</p> <p>LM-39;</p> <p>LM-45;</p> <p>LM-5 - Archivistica e biblioteconomia;</p> <p>LM-59;</p> <p>LM-64;</p> <p>LM-65;</p> <p>LM-78;</p> <p>LM-84;</p> <p>LM-89;</p> <p>LM-94;</p> <p>LM-92;</p> <p>16/S;</p> <p>2/S - Specialistiche in archeologia</p>
	Social sciences	<p>19 - Scienze dell'amministrazione;</p> <p>7 - Urbanistica e scienze della pianificazione territoriale e ambientale;</p> <p>30 - Scienze geografiche;</p> <p>34 - Scienze e tecniche psicologiche;</p>

		<p>28 - Scienze economiche;  36 - Scienze sociologiche;  57/S;  58/S;  60/S;  71/S;  LM-81;  LM-56;  LM-87;  15 - Scienze politiche e delle relazioni internazionali;  L-20;  L-22;  L-24;  L-21;  L-33 ;  L-37;  L-40;  LM-51;  LM-52;  LM-62;  LM-63;  LM-76;  LM-80;  LM-81;  LM-88;  LM-90;  101/S</p>
	Business and law	<p>17 - Scienze dell'economia e della gestione aziendale;  2 - Scienze dei servizi giuridici;  22/S;  31 - Scienze giuridiche;  L-18;</p>

		<p>LM-16;          LM-31;          LM-77;          31 - S ;          84/S;          L-14 -;          L-16 -;          LM-47;          LM-83</p>
	<p>Natural science,          mathematics and          statistics</p>	<p>12 - Scienze biologiche;          16 - Scienze della Terra;          L-13 ;          LM-6 - Biologia;          27 - Scienze e tecnologie per l'ambiente e la natura;          32 - Scienze matematiche;          6/S - Specialistiche in biologia;          84/S;          L-27;          L-34;          L-27;          L-28;          L-41;          L-6;          LM-17;          LM-40;          LM-54;          LM-55;          LM-58;          LM-60;          LM-79;          LM-82</p>

	<p>Information and communication technologies</p>	<p>Classe            9 - Ingegneria dell'informazione;            26 - Scienze e tecnologie informatiche;            L-8 ;            L-31 ;            LM-32;            LM-18;            LM-19;            LM-25;            LM-27;            LM-43;            LM-66;            LM-91</p>
	<p>Engineering, manufacturing and construction</p>	<p>Classe            4 - Scienze dell'architettura e dell'ingegneria edile;            8 - Ingegneria civile e ambientale;            10 - Ingegneria industriale;            21 - Scienze e tecnologie chimiche;            25 - Scienze e tecnologie fisiche;            27 - Scienze e tecnologie per l'ambiente e la natura;            28/S;            32/S;            38/S;            42 - Disegno industriale;            103/S;            4/S - Specialistiche in architettura e ingegneria edile;            L-7 -;            L-9 -;            L-23;            L-26;            L-32;            L-2 - Biotecnologie;</p>

		<p>L-17;  L-30;  L-4 - Disegno industriale;  LM-20;  LM-21;  LM-22;  LM-23;  LM-24;  LM-29;  LM-26;  LM-4 C.U. - Architettura e ingegneria edile-architettura (quinquennale);  LM-4 - Architettura e ingegneria edile-architettura;  LM-28;  LM-3 - Architettura del paesaggio;  LM-30;  LM-33;  LM-34;  LM-35;  LM-44;  LM-48;  LM-53;  LM-70;  LM-71;  LM-72;  LM-74;  LM-8 - Biotecnologie industriali;  LM-9 - Biotecnologie mediche, veterinarie e farmaceutiche</p>
	Agriculture forestry, fisheries and veterinary	<p>Classe  20 - Scienze e tecnologie agrarie, agroalimentari e forestali;  L-25;  LM-69;  LM-73;</p>



		LM-75; 40 - Scienze e tecnologie zootecniche e delle produzioni animali; 47/S; LM-42; LM-86
	Health and social welfare	Classe *SNT/; 46/S; 24 - Scienze e tecnologie farmaceutiche; 33 - Scienze delle attività motorie e sportive; 52/S; 76/S; L/SNT ; LM-41; LM-46; LM/SNT; 14/S; L-22; L-29; LM/SNT; LM-13; LM-67; LM-61
	Services	6 - Scienze del servizio sociale; LM-39; L-15; L-39; LM-49; LM-68
<b>Q11: Graduates on time</b>	Bachelor	
	Bachelor part-time	

	Master	
	Master Part-time	
	Long first degree	
<b>Q12: Graduate unemployment</b>	Bachelor	<p><i>sector</i></p> <p><i>source:</i></p> <p><i>table:</i> <a href="https://www2.almalaurea.it/cgi-php/universita/statistiche/tendine.php?config=occupazione">https://www2.almalaurea.it/cgi-php/universita/statistiche/tendine.php?config=occupazione</a></p> <p>tipo di corso: Laurea di primo livello</p> <p>Anni dal la Laurea: 1</p> <p>Colonne di confront: ateneo</p> <p><i>xlsx sheet:</i></p> <p><i>variable:</i></p> <p><i>function:</i> 3. Condizione occupazionale; Condizione occupazionale (%); Non lavorano, non sono iscritti ad una laurea di secondo livello ma cercano</p>
	Master	<p><i>sector</i></p> <p><i>source:</i></p> <p><i>table:</i> <a href="https://www2.almalaurea.it/cgi-php/universita/statistiche/tendine.php?config=occupazione">https://www2.almalaurea.it/cgi-php/universita/statistiche/tendine.php?config=occupazione</a></p> <p>tipo di corso: Laurea magistrale biennale</p> <p>Anni dal la Laurea: 1</p> <p>Colonne di confront: ateneo</p> <p><i>xlsx sheet:</i></p> <p><i>variable:</i></p> <p><i>function:</i> 3. Condizione occupazionale; Condizione occupazionale (%); Non lavorano ma cercano</p>
	Long first degree	<p><i>sector</i></p> <p><i>source:</i></p> <p><i>table:</i> <a href="https://www2.almalaurea.it/cgi-php/universita/statistiche/tendine.php?config=occupazione">https://www2.almalaurea.it/cgi-php/universita/statistiche/tendine.php?config=occupazione</a></p>

		<p>tipo di corso: Laurea magistrale a ciclo unico          Anni dal la Laurea: 1          Colonne di confront: ateneo</p> <p><i>xlsx sheet:</i>  <i>variable:</i>  <i>function:</i> 3. Condizione occupazionale; Condizione occupazionale (%); Non lavorano ma cercano</p>
	Reference period used	Survey 2018
<b>Q13: Graduates in region</b>	Bachelor	<p><i>sector</i>  <i>source:</i>  <i>table:</i> <a href="https://www2.almalaurea.it/cgi-php/universita/statistiche/tendine.php?config=occupazione">https://www2.almalaurea.it/cgi-php/universita/statistiche/tendine.php?config=occupazione</a>          tipo di corso: Laurea Ciclo Unico          Anni dal la Laurea: 1          Colonne di confront: ateneo</p> <p><i>xlsx sheet:</i>  <i>variable:</i>  <i>function:</i> 6. Caratteristiche dell'azienda; Area geografica di Lavoro (%)          NUTS1 region</p>
	Master	<p><i>sector</i> All HEIs  <i>source:</i> AlmaLaurea  <i>table:</i> <a href="https://www2.almalaurea.it/cgi-php/universita/statistiche/tendine.php?config=occupazione">https://www2.almalaurea.it/cgi-php/universita/statistiche/tendine.php?config=occupazione</a>          tipo di corso: Laurea magistrale biennale          Anni dal la Laurea: 1          Colonne di confront: ateneo</p> <p><i>xlsx sheet:</i>  <i>variable:</i>  <i>function:</i> 6. Caratteristiche dell'azienda; Area geografica di Lavoro (%)</p>

		NUTS1 region
	Long first degree	<i>sector</i> All HEIs <i>source:</i> AlmaLaurea <i>table:</i> <a href="https://www2.almalaurea.it/cgi-php/universita/statistiche/tendine.php?config=occupazione">https://www2.almalaurea.it/cgi-php/universita/statistiche/tendine.php?config=occupazione</a> tipo di corso: Laurea magistrale a ciclo unico Anni dal la Laurea: 1 Colonne di confront: ateneo  <i>xlsx sheet:</i> <i>variable:</i> <i>function:</i> 6. Caratteristiche dell'azienda; Area geografica di Lavoro (%) NUTS1 region
	Region used	NUTS1
<b>Q14: Academic staff</b>	Academic staff in FTEs	<i>sector</i> <i>source:</i> <i>table:</i> <i>xlsx sheet:</i> <i>variable:</i> <i>function:</i>

Academic staff head-count	<p><i>sector</i> All HEIs</p> <p><i>source:</i> Opendata</p> <p><i>table:</i></p> <p><i>xlsx sheet:</i> 2015-2018_personale_xgenere.csv (year1=2016, year2=2017, year3=2018)</p> <p><i>variable:</i></p> <p><i>function:</i> COD_QUALIFICA: "1PO e 2PA" + "3RU e 3RTD" + "4AR"</p> <p><i>link:</i></p>
academic staff with foreign nationality	
female academic staff	
Status of doctoral candidates	
Doctoral candidates counted as academic staff in FTEs	<p><i>sector</i></p> <p><i>source:</i></p> <p><i>table:</i></p> <p><i>xlsx sheet:</i></p> <p><i>variable:</i></p> <p><i>function:</i></p> <p><i>link:</i></p>
Doctoral candidates counted as academic staff in headcount	
Doctoral candidates with foreign nationality	

	Female doctoral candidates	<i>sector</i> <i>source:</i> <i>table:</i> <i>xlsx sheet:</i> <i>variable:</i> <i>function:</i> <i>link:</i>
<b>Q15: Post-docs</b>	Post docs (head-count)	<i>sector</i> All HEIs <i>source:</i> Opendata <i>table:</i> <i>xlsx sheet:</i> 2015-2018_personale_xgenere.csv (year1=2016, year2=2017, year3=2018) <i>variable:</i> <i>function:</i> COD_QUALIFICA: “ “4AR”  <i>link:</i>
<b>Q16: Currency and Unit</b>	Currency	EUR
<b>Q17: Revenues</b>	Unit	
	Total revenues	

	Core budget	
	Tuition fees from students in degree programmes	
	Fees from courses organised within the framework of continuing professional development (CPD)	
	External revenues from research	
	external revenues from privately funded research contracts	

	Revenues from licensing agreements, copyrighted products and royalties	
	Other revenues	
<b>Q18: Revenues by source</b>	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	
<b>Q19: Expenditure</b>	Total expenditure	
	% on research	
	% on teaching	
	% on knowledge transfer	
	% on other activities	
<b>Q20: Research outputs</b>	Number of academic publications	



	Number of professional publications	
	Number of art-related research outputs	
<b>Q21: Graduate companies</b>	Number of graduate founded companies	
<b>Q22: Spin-off companies</b>	Number of newly founded spin-off companies	
<b>Q23: Strategic partnerships</b>	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	



