
PREFILLING U-MULTIRANK DATA FOR FINLAND

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 Swedish institutions included in U-Multirank and mapping choices made.

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 is not representative of your institution or country, or you are aware of alternative or better sources.

The key sources used for Sweden are:

- **VIPUNEN:** data on students, graduates, unemployment, academics, internationalization (some), research output
- **ETER:** data on students, academics, internationalization, revenues and expenditures
- The **World Bank:** exchange rate and PPP for revenue and expense data

Lahti UAS and Saimaa UAS have merged into LAB UAS, starting 2020. 2019 and 2018 data have been consolidated.

Tampere University of technology and University of tampere merged in 2018 to Tampere University. Data need to be consolidated for years 2018 and earlier.

NATIONAL OR REGIONAL SOURCES

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

VIPUNEN (eng.: Education Statistics Finland) is the education administration's reporting portal in Finland. Vipunen's statistics are based on data and registers collected by the Statistics Finland, the Ministry of Culture and Education and the Finnish National Agency for Education. Vipunen portal can be provides statistics and indicators for education in a number of educational sectors, placement of

students after completion, research conducted in higher education institutions, the population's educational structure and the socio-economic background of students.¹

Data obtained:

- Student data (e.g. number of students per program, graduates by field of specialisation, unemployment foreign students)
- Data on academic staff (e.g. academic staff employed(FTE), thereof doctoral candidates, female and foreign academic staff)
- Research Output (e.g. academic and professional publications, art-related research output)

EUROPEAN SOURCES

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

ETER (the European Tertiary Education Register) is a database collecting information on Higher Education Institutions (HEIs) in Europe. It contains data on educational activities, staff, finances and research activities as well as basic characteristics and geographical position. The main specificity of ETER is providing data at the level of individual higher education institutions, complementary to educational statistics at the country and regional level provided by EUROSTAT².

Data obtained*:

- Student data (e.g. number of students per program and gender, graduates by field of specialisation, student mobility)
- Data on academic staff (e.g. academic staff employed(FTE/HC; gender; foreign staff), doctoral students)
- Revenue data (e.g. amount per category, core, third-party funding)
- Expenditure data (e.g. personnel expenditures, non-personnel, capital expenditures)

*Note: Data is only used to validate corresponding fields in the national database if deemed necessary

INTERNATIONAL SOURCES

Measurement level: Institutional level except 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

¹Vipunen. (2022). Vipunen – Education Statistics Finland. Retrieved from Vipunen: <https://vipunen.fi/en-gb/home>

² ETER. (2019). About ETER. Retrieved from ETER Project: <https://www.eter-project.com/#/info/about>

macro, financial and sector databases. The World Bank's data bank contains a large array of publicly available data³, including exchange rate and PPP data.

Data obtained:

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

³ World Bank. (2019). The World Bank Data. Retrieved from About us: <https://data.worldbank.org/about>

APPENDIX

U-Multirank Question	Data element	Mapped element
Q4: Programs		
	Bachelor	3-year programs at Universities [180 ECTS]; 3.5 - 4 year programs at Universities of Applied Sciences [210-240 ECTS] <i>Note from a country expert: Study time in Vipunen database is gross-study time, meaning that it includes absent-periods. One might be absent because of military service or being on maternity leave.</i>
	Master	2 year programs at Universities [120 ECTS] <i>Note from a country expert: Study time in Vipunen database is gross-study time, meaning that it includes absent-periods. One might be absent because of military service or being on maternity leave.</i>
	Doctorate/PhD	<i>Note from a country expert: Based on ECTS, usually not a full-time study. In the university act there is no limit on study time for doctoral students.</i>
Q5: Students	Students enrolled	<i>source:</i> Vipunen [Education Statistics Finland] <i>Type of HEI:</i> University education <i>Category:</i> Students and degrees/ Students/ University <i>xlsx sheet:</i> Item 1 <i>variables:</i> [Students]; [Statistical year]; [University] <i>function:</i> Total students per institution for each year. UMR 2022 edition uses 2018,2019 and 2022 data. <i>Category description:</i> https://vipunen.fi/en-gb/university/Pages/Opiskelijat-ja-tutkinnot.aspx

		<p><i>data file:</i> https://vipunen.fi/en-gb/layouts/15/xlviewer.aspx?id=/en-gb/Reports/Yliopistokoulutuksen%20opiskelijat-n%C3%A4k%C3%B6kulma-yliopisto_EN.xlsx</p> <p><i>source:</i> Vipunen [Education Statistics Finland] <i>Type of HEI:</i> University of applied sciences education <i>Category:</i> Students and degrees/ Students/ University of applied sciences <i>xlsx sheet:</i> <i>Students in UAS education</i> <i>variables:</i> [Students]; [Statistical year]; [Univ. of applied sciences] <i>function:</i> Total students per institution for each year. UMR 2022 edition uses 2018,2019 and 2022 data. <i>Category description:</i> https://vipunen.fi/en-gb/polytechnic/Pages/Opiskelijat-ja-tutkinnot.aspx <i>data file:</i> https://vipunen.fi/en-gb/layouts/15/xlviewer.aspx?id=/en-gb/Reports/Yliopistokoulutuksen%20opiskelijat-n%C3%A4k%C3%B6kulma-yliopisto_EN.xlsx</p>
	Female students enrolled	<p><i>source:</i> Vipunen [Education Statistics Finland] <i>Type of HEI:</i> University education <i>Category:</i> Students and degrees/ Students/ University <i>xlsx sheet:</i> <i>Item 1</i> <i>variables:</i> [Students]; [Gender]; [Statistical year]; [University] <i>function:</i> Total female students per institution for each year. UMR 2022 edition uses 2018,2019 and 2022 data.. <i>Category description:</i> https://vipunen.fi/en-gb/university/Pages/Opiskelijat-ja-tutkinnot.aspx <i>data file:</i> https://vipunen.fi/en-gb/layouts/15/xlviewer.aspx?id=/en-gb/Reports/Yliopistokoulutuksen%20opiskelijat-n%C3%A4k%C3%B6kulma-yliopisto_EN.xlsx</p> <p><i>source:</i> Vipunen [Education Statistics Finland]</p>

		<p>Type of HEI University of applied sciences education</p> <p>Category Students and degrees/ Students/ University of applied sciences</p> <p><i>xlsx sheet:</i> <i>Students in UAS education</i></p> <p><i>variables:</i> [Students]; [Gender]; [Statistical year]; [Univ. of applied sciences]</p> <p><i>function:</i> Total female students per institution for each year.</p> <p>UMR 2022 edition uses 2018,2019 and 2022 data.</p> <p><i>Category description:</i> https://vipunen.fi/en-gb/polytechnic/Pages/Opiskelijat-ja-tutkinnot.aspx</p> <p><i>data file:</i> https://vipunen.fi/en-gb/ layouts/15/xlviewer.aspx?id=/en-gb/Reports/Yliopistokoulutuksen%20opiskelijat-n%C3%A4k%C3%B6kulma-yliopisto_EN.xlsx</p>
Q6: International students	Foreign degree seeking students	<p><i>source:</i> Vipunen [Education Statistics Finland]</p> <p>Type of HEI University education</p> <p>Category International activity/ Foreign students and graduates at universities/ University</p> <p><i>xlsx sheet:</i> <i>Item 1</i></p> <p><i>variables:</i> [Foreign students]; [Statistical year]; [University]</p> <p><i>function:</i> Foreign students per institution for each year.</p> <p>UMR 2022 edition uses 2018,2019 and 2022 data.</p> <p><i>Category description:</i> https://vipunen.fi/en-gb/university/Pages/Kansainv%C3%A4lisyys.aspx</p> <p><i>data file:</i> https://vipunen.fi/en-gb/ layouts/15/xlviewer.aspx?id=/en-gb/Reports/Yliopistokoulutuksen%20ulkomaalaiset%20opiskelijat-%20n%C3%A4k%C3%B6kulma%20yliopisto_EN.xlsx</p> <p><i>source:</i> Vipunen [Education Statistics Finland]</p> <p>Type of HEI University of applied sciences education</p> <p>Category International activity/ Foreign students/ University of applied sciences</p> <p><i>xlsx sheet:</i> <i>Item 1</i></p> <p><i>variables:</i> [Foreign students]; [Statistical year]; [Univ. of applied sciences]</p>

		<p><i>function:</i> Foreign students per institution for each year. UMR 2022 edition uses 2018,2019 and 2022 data..</p> <p><i>Category description:</i> https://vipunen.fi/en-gb/polytechnic/Pages/Kansainv%C3%A4lisyyss.aspx</p> <p><i>data file:</i> https://vipunen.fi/en-gb/layouts/15/xlviewer.aspx?id=/en-gb/Reports/Ammattikorkeakoulutuksen%20ulkomaalaiset%20opiskelijat-%20n%C3%A4k%C3%B6kulma%20amk_EN.xlsb</p>
Q7: New entrants	New entrants enrolled in 1st year bachelor programmes	<p><i>source:</i> Vipunen [Education Statistics Finland]</p> <p><i>Type of HEI:</i> University education</p> <p><i>Category:</i> Students and degrees/ New students/ University</p> <p><i>xlsx sheet:</i> <i>Item 1</i></p> <p><i>variables:</i> [New students]; [Level of ed, tier 1(value – Bachelor’s or equivalent level)]; [Statistical year]; [University]</p> <p><i>function:</i> Total new students per institution, categorized by level of education (bachelor’s degree) for each year. UMR 2022 edition uses 2018,2019 and 2022 data.*Internal transfers are excluded from new students while external transfers are included.</p> <p><i>Category description:</i> https://vipunen.fi/en-gb/university/Pages/Opiskelijat-ja-tutkinnot.aspx</p> <p><i>data file:</i> https://vipunen.fi/en-gb/layouts/15/xlviewer.aspx?id=/en-gb/Reports/Yliopistokoulutuksen%20uudet%20opiskelijat-n%C3%A4k%C3%B6kulma%20yliopisto_EN.xlsb</p> <p><i>source:</i> Vipunen [Education Statistics Finland]</p> <p><i>Type of HEI:</i> University of applied sciences education</p> <p><i>Category:</i> Students and degrees/ New students/ University of applied sciences</p> <p><i>xlsx sheet:</i> <i>Item 1</i></p> <p><i>variables:</i> [New students]; [Level of ed, tier 1(value – Bachelor’s or equivalent level)]; [Statistical year]; [Univ. of applied sciences]</p>

		<p><i>function:</i> Total new students per institution, categorized by level of education (bachelor's degree) for each year. UMR 2022 edition uses 2018,2019 and 2022 data..</p> <p><i>Category description:</i> https://vipunen.fi/en-gb/polytechnic/Pages/Opiskelijat-ja-tutkinnot.aspx</p> <p><i>data file:</i> https://vipunen.fi/en-gb/ layouts/15/xlviewer.aspx?id=/en-gb/Reports/Ammattikorkeakoulujen%20aloittaneet%20vuodesta%202011%20-%20amk_EN.xlsb</p>
	<p>New entrants enrolled in 1st year master programmes</p>	<p><i>source:</i> Vipunen [Education Statistics Finland]</p> <p><i>Type of HEI:</i> University education</p> <p><i>Category:</i> Students and degrees/ New students/ University</p> <p><i>xlsx sheet:</i> <i>Item 1</i></p> <p><i>variables:</i> [New students]; [Level of ed, tier 1(value – Master's or equivalent level)]; [Statistical year]; [University]</p> <p><i>function:</i> Total new students per institution, categorized by level of education (master's degree) for each year. UMR 2022 edition uses 2018,2019 and 2022 data. *Internal transfers are excluded from new students while external transfers are included.</p> <p><i>Category description:</i> https://vipunen.fi/en-gb/university/Pages/Opiskelijat-ja-tutkinnot.aspx</p> <p><i>data file:</i> https://vipunen.fi/en-gb/ layouts/15/xlviewer.aspx?id=/en-gb/Reports/Yliopistokoulutuksen%20uudet%20opiskelijat-n%C3%A4k%C3%B6kulma%20yliopisto_EN.xlsb</p> <p><i>source:</i> Vipunen [Education Statistics Finland]</p> <p><i>Type of HEI:</i> University of applied sciences education</p> <p><i>Category:</i> Students and degrees/ New students/ University of applied sciences</p>

		<p><i>xlsx sheet:</i> Item 1</p> <p><i>variables:</i> [New students]; [Level of ed, tier 1(value – Master’s or equivalent level)]; [Statistical year]; [Univ. of applied sciences]</p> <p><i>function:</i> Total new students per institution, categorized by level of education (bachelor’s degree) for each year. UMR 2022 edition uses 2018,2019 and 2022 data..</p> <p><i>Category description:</i> https://vipunen.fi/en-gb/polytechnic/Pages/Opiskelijat-ja-tutkinnot.aspx</p> <p><i>data file:</i> https://vipunen.fi/en-gb/ layouts/15/xlviewer.aspx?id=/en-gb/Reports/Ammattikorkeakoulujen%20aloittaneet%20vuodesta%202011%20-%20amk_EN.xlsx</p>
Q9: Graduates		
	Short degree	
	Bachelor	<p><i>source:</i> Vipunen [Education Statistics Finland]</p> <p>Type of HEI University education</p> <p>Category Students and degrees/ Degrees/ University</p> <p><i>xlsx sheet:</i> Item 1</p> <p><i>variables:</i> [Degrees]; [Level of ed, tier 1(value – Bachelor’s or equivalent level)]; [Statistical year]; [University]</p> <p><i>function:</i> Total number of Bachelor’s degrees awarded per institution for each year. UMR 2022 edition uses one of the year’s for 2018, 2019 and 2020 data.</p> <p><i>Category description:</i> https://vipunen.fi/en-gb/university/Pages/Opiskelijat-ja-tutkinnot.aspx</p> <p><i>data file:</i> https://vipunen.fi/en-gb/ layouts/15/xlviewer.aspx?id=/en-gb/Reports/Yliopistokoulutuksen%20tutkinnot-n%C3%A4k%C3%B6kulma-yliopisto_EN.xlsx</p> <p><i>source:</i> Vipunen [Education Statistics Finland]</p> <p>Type of HEI University of applied sciences education</p> <p>Category Students and degrees/ Degrees/ University of applied sciences</p> <p><i>xlsx sheet:</i> Item 1</p>

		<p><i>variables:</i> [Degrees]; [Level of ed, tier 1(value – Bachelor’s or equivalent level)]; [Statistical year]; [Univ. of applied sciences]</p> <p><i>function:</i> Total number of Bachelor’s degrees awarded per institution for each year. UMR 2022 edition uses one of the year’s for 2018, 2019 and 2020 data.</p> <p><i>Category description:</i> https://vipunen.fi/en-gb/polytechnic/Pages/Opiskelijat-ja-tutkinnot.aspx</p> <p><i>data file:</i> https://vipunen.fi/en-gb/ layouts/15/xlviewer.aspx?id=/en-gb/Reports/Ammattikorkeakoulujen%20tutkinnot%20-%20amk_EN.xlsb</p>
	Bachelor part-time	
	Master	<p><i>source:</i> Vipunen [Education Statistics Finland]</p> <p><i>Type of HEI:</i> University education</p> <p><i>Category:</i> Students and degrees/ Degrees/ University</p> <p><i>xlsx sheet:</i> <i>Item 1</i></p> <p><i>variables:</i> [Degrees]; [Level of ed, tier 1(value – Master’s or equivalent level)]; [Statistical year]; [University]</p> <p><i>function:</i> Total number of Master’s degrees awarded per institution for each year. UMR 2022 edition uses one of the year’s for 2018, 2019 and 2020 data.</p> <p><i>Category description:</i> https://vipunen.fi/en-gb/university/Pages/Opiskelijat-ja-tutkinnot.aspx</p> <p><i>data file:</i> https://vipunen.fi/en-gb/ layouts/15/xlviewer.aspx?id=/en-gb/Reports/Yliopistokoulutuksen%20tutkinnot-n%C3%A4k%C3%B6kulma-yliopisto_EN.xlsb</p> <p><i>source:</i> Vipunen [Education Statistics Finland]</p> <p><i>Type of HEI:</i> University of applied sciences education</p> <p><i>Category:</i> Students and degrees/ Degrees/ University of applied sciences</p> <p><i>xlsx sheet:</i> <i>Item 1</i></p> <p><i>variables:</i> [Degrees]; [Level of ed, tier 1(value – Master’s or equivalent level)]; [Statistical year]; [Univ. of applied sciences]</p> <p><i>function:</i> Total number of Master’s degrees awarded per institution for each year.</p>

		<p>UMR 2022 edition uses one of the year's for 2018, 2019 and 2020 data.</p> <p><i>Category description:</i> https://vipunen.fi/en-gb/polytechnic/Pages/Opiskelijat-ja-tutkinnot.aspx</p> <p><i>data file:</i> https://vipunen.fi/en-gb/layouts/15/xlviewer.aspx?id=/en-gb/Reports/Ammattikorkeakoulujen%20tutkinnot%20-%20amk_EN.xlsx</p>
	Master Part-time	
	Long first degree	
	Doctorate/PhD	<p><i>source:</i> Vipunen [Education Statistics Finland]</p> <p><i>Type of HEI:</i> University education</p> <p><i>Category:</i> Students and degrees/ Degrees/ University</p> <p><i>xlsx sheet:</i> <i>Item 1</i></p> <p><i>variables:</i> [Degrees]; [[Level of ed, tier 1(value – Doctoral or equivalent level)]; [Statistical year]; [University]</p> <p><i>function:</i> Total number of doctoral degrees awarded per institution for each year (includes Licentiate degrees).</p> <p>UMR 2022 edition uses one of the year's for 2018, 2019 and 2020 data.</p> <p><i>Category description:</i> https://vipunen.fi/en-gb/university/Pages/Opiskelijat-ja-tutkinnot.aspx</p> <p><i>data file:</i> https://vipunen.fi/en-gb/layouts/15/xlviewer.aspx?id=/en-gb/Reports/Yliopistokoulutuksen%20tutkinnot-n%C3%A4k%C3%B6kulma-yliopisto_EN.xlsx</p>
	Foreign doctorates	<p><i>source:</i> Vipunen [Education Statistics Finland]</p> <p><i>Type of HEI:</i> University education</p> <p><i>Category:</i> Students and degrees/ Degrees/ University</p> <p><i>xlsx sheet:</i> <i>Item 1</i></p> <p><i>variables:</i> [Degrees]; [Level of ed, tier 1(value – Doctoral or equivalent level)]; [Nationality (values – EU/EEA; Other)]; [Statistical year]; [University]</p> <p><i>function:</i> Total number of doctoral degrees awarded to foreign students per institution for each year (includes Licentiate degrees).</p> <p>UMR 2022 edition uses one of the year's for 2018, 2019 and 2020 data.</p>

		<p><i>Category description:</i> https://vipunen.fi/en-gb/university/Pages/Opiskelijat-ja-tutkinnot.aspx</p> <p><i>data file:</i> https://vipunen.fi/en-gb/_layouts/15/xlviewer.aspx?id=/en-gb/Reports/Yliopistokoulutuksen%20tutkinnot-n%C3%A4k%C3%B6kulma-yliopisto_EN.xlsb</p>
	Female doctorates	<p><i>source:</i> Vipunen [Education Statistics Finland]</p> <p><i>Type of HEI:</i> University education</p> <p><i>Category:</i> Students and degrees/ Degrees/ University</p> <p><i>xlsx sheet:</i> <i>Item 1</i></p> <p><i>variables:</i> [Degrees]; [Level of ed, tier 1(value – Doctoral or equivalent level)]; [Gender]; [Statistical year]; [University]</p> <p><i>function:</i> Total number of doctoral degrees awarded to females per institution for each year (includes Licentiate degrees). UMR 2022 edition uses one of the year's for 2018, 2019 and 2020 data.</p> <p><i>Category description:</i> https://vipunen.fi/en-gb/university/Pages/Opiskelijat-ja-tutkinnot.aspx</p> <p><i>data file:</i> https://vipunen.fi/en-gb/_layouts/15/xlviewer.aspx?id=/en-gb/Reports/Yliopistokoulutuksen%20tutkinnot-n%C3%A4k%C3%B6kulma-yliopisto_EN.xlsb</p>
Q10: Graduates by field	Education	<p><i>source:</i> Vipunen [Education Statistics Finland]</p> <p><i>Type of HEI:</i> University education</p> <p><i>Category:</i> Students and degrees/ Degrees/ University</p> <p><i>xlsx sheet:</i> <i>Item 1</i></p> <p><i>variables:</i> [Degrees]; [Field of Education, tier 1 (value – Education)] 2019: Field of Education, HE steering]; [Statistical year]; [University]</p> <p><i>function:</i> Total number of degrees awarded for all study levels per institution, categorized by field of study for each year.</p>

		<p>UMR 2022 edition uses one of the year's for 2018, 2019 and 2020 data. <i>Category description:</i> https://vipunen.fi/en-gb/university/Pages/Opiskelijat-ja-tutkinnot.aspx <i>data file:</i> https://vipunen.fi/en-gb/_layouts/15/xlviewer.aspx?id=/en-gb/Reports/Yliopistokoulutuksen%20tutkinnot-n%C3%A4k%C3%B6kulma-yliopisto_EN.xlsb</p> <p><i>source:</i> Vipunen [Education Statistics Finland] Type of HEI: University of applied sciences education Category: Students and degrees/ Degrees/ University of applied sciences <i>xlsx sheet:</i> Item 1 <i>variables:</i> [Degrees]; [Field of Education, tier 1 (value – Education)]; [Statistical year]; [Univ. of applied sciences] <i>function:</i> Total number of degrees awarded for all study levels per institution, categorized by field of study for each year.</p> <p>UMR 2022 edition uses one of the year's for 2018, 2019 and 2020 data. <i>Category description:</i> https://vipunen.fi/en-gb/polytechnic/Pages/Opiskelijat-ja-tutkinnot.aspx <i>data file:</i> https://vipunen.fi/en-gb/_layouts/15/xlviewer.aspx?id=/en-gb/Reports/Ammattikorkeakoulujen%20tutkinnot%20-%20amk_EN.xlsb</p>
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	Humanities and arts	<p><i>source:</i> Vipunen [Education Statistics Finland] <i>Type of HEI</i> University education <i>Category</i> Students and degrees/ Degrees/ University <i>xlsx sheet:</i> <i>Item 1</i> <i>variables:</i> [Degrees]; [Field of Education, tier 1 (value – Arts and Humanities)]; [Statistical year]; [University] <i>function:</i> Total number of degrees awarded for all study levels per institution, categorized by field of study for each year. UMR 2022 edition uses one of the year’s for 2018, 2019 and 2020 data. <i>Category description:</i> https://vipunen.fi/en-gb/university/Pages/Opiskelijat-ja-tutkinnot.aspx <i>data file:</i> https://vipunen.fi/en-gb/ layouts/15/xlviewer.aspx?id=/en-gb/Reports/Yliopistokoulutuksen%20tutkinnot-n%C3%A4k%C3%B6kulma-yliopisto_EN.xlsx</p> <p><i>source:</i> Vipunen [Education Statistics Finland] <i>Type of HEI</i> University of applied sciences education <i>Category</i> Students and degrees/ Degrees/ University of applied sciences <i>xlsx sheet:</i> <i>Item 1</i> <i>variables:</i> [Degrees]; [Field of Education, tier 1 (value – Arts and Humanities)]; [Statistical year]; [Univ. of applied sciences] <i>function:</i> Total number of degrees awarded for all study levels per institution, categorized by field of study for each year. UMR 2022 edition uses one of the year’s for 2018, 2019 and 2020 data. <i>Category description:</i> https://vipunen.fi/en-gb/polytechnic/Pages/Opiskelijat-ja-tutkinnot.aspx <i>data file:</i> https://vipunen.fi/en-gb/ layouts/15/xlviewer.aspx?id=/en-gb/Reports/Ammattikorkeakoulujen%20tutkinnot%20-%20amk_EN.xlsx</p>
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	Social sciences	<p><i>source:</i> Vipunen [Education Statistics Finland] <i>Type of HEI</i> University education <i>Category</i> Students and degrees/ Degrees/ University <i>xlsx sheet:</i> <i>Item 1</i> <i>variables:</i> [Degrees]; [Field of Education, tier 1 (value – Social sciences, journalism and information)]; [Statistical year]; [University] <i>function:</i> Total number of degrees awarded for all study levels per institution, categorized by field of study for each year. UMR 2022 edition uses one of the year’s for 2018, 2019 and 2020 data. <i>Category description:</i> https://vipunen.fi/en-gb/university/Pages/Opiskelijat-ja-tutkinnot.aspx <i>data file:</i> https://vipunen.fi/en-gb/layouts/15/xlviewer.aspx?id=/en-gb/Reports/Yliopistokoulutuksen%20tutkinnot-n%C3%A4k%C3%B6kulma-yliopisto_EN.xlsx</p> <p><i>source:</i> Vipunen [Education Statistics Finland] <i>Type of HEI</i> University of applied sciences education <i>Category</i> Students and degrees/ Degrees/ University of applied sciences <i>xlsx sheet:</i> <i>Item 1</i> <i>variables:</i> [Degrees]; [Field of Education, tier 1 (value – Social sciences, journalism and information)]; [Statistical year]; [Univ. of applied sciences] <i>function:</i> Total number of degrees awarded for all study levels per institution, categorized by field of study for each year. UMR 2022 edition uses one of the year’s for 2018, 2019 and 2020 data. <i>Category description:</i> https://vipunen.fi/en-gb/polytechnic/Pages/Opiskelijat-ja-tutkinnot.aspx <i>data file:</i> https://vipunen.fi/en-gb/layouts/15/xlviewer.aspx?id=/en-gb/Reports/Ammattikorkeakoulujen%20tutkinnot%20-%20amk_EN.xlsx</p>
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	Business and law	<p><i>source:</i> Vipunen [Education Statistics Finland] <i>Type of HEI</i> University education <i>Category</i> Students and degrees/ Degrees/ University <i>xlsx sheet:</i> <i>Item 1</i> <i>variables:</i> [Degrees]; [Field of Education, tier 1 (value – Business, administration and law)]; [Statistical year]; [University] <i>function:</i> Total number of degrees awarded for all study levels per institution, categorized by field of study for each year. UMR 2022 edition uses one of the year's for 2018, 2019 and 2020 data. <i>Category description:</i> https://vipunen.fi/en-gb/university/Pages/Opiskelijat-ja-tutkinnot.aspx <i>data file:</i> https://vipunen.fi/en-gb/layouts/15/xlviewer.aspx?id=/en-gb/Reports/Yliopistokoulutuksen%20tutkinnot-n%C3%A4k%C3%B6kulma-yliopisto_EN.xlsx</p> <p><i>source:</i> Vipunen [Education Statistics Finland] <i>Type of HEI</i> University of applied sciences education <i>Category</i> Students and degrees/ Degrees/ University of applied sciences <i>xlsx sheet:</i> <i>Item 1</i> <i>variables:</i> [Degrees]; [Field of Education, tier 1 (value – Business, administration and law)]; [Statistical year]; [Univ. of applied sciences] <i>function:</i> Total number of degrees awarded for all study levels per institution, categorized by field of study for each year. UMR 2022 edition uses one of the year's for 2018, 2019 and 2020 data. <i>Category description:</i> https://vipunen.fi/en-gb/polytechnic/Pages/Opiskelijat-ja-tutkinnot.aspx <i>data file:</i> https://vipunen.fi/en-gb/layouts/15/xlviewer.aspx?id=/en-gb/Reports/Ammattikorkeakoulujen%20tutkinnot%20-%20amk_EN.xlsx</p>
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<p>Natural science, mathematics and statistics</p>	<p><i>source:</i> Vipunen [Education Statistics Finland] <i>Type of HEI</i> University education <i>Category</i> Students and degrees/ Degrees/ University <i>xlsx sheet:</i> <i>Item 1</i> <i>variables:</i> [Degrees]; [Field of Education, tier 1 (value – Natural sciences, mathematics and statistics)]; [Statistical year]; [University] <i>function:</i> Total number of degrees awarded for all study levels per institution, categorized by field of study for each year. UMR 2022 edition uses one of the year's for 2018, 2019 and 2020 data. <i>Category description:</i> https://vipunen.fi/en-gb/university/Pages/Opiskelijat-ja-tutkinnot.aspx <i>data file:</i> https://vipunen.fi/en-gb/layouts/15/xlviewer.aspx?id=/en-gb/Reports/Yliopistokoulutuksen%20tutkinnot-n%C3%A4k%C3%B6kulma-yliopisto_EN.xlsx</p>
<p>Information and communication technologies</p>	<p><i>source:</i> Vipunen [Education Statistics Finland] <i>Type of HEI</i> University of applied sciences education <i>Category</i> Students and degrees/ Degrees/ University of applied sciences <i>xlsx sheet:</i> <i>Item 1</i> <i>variables:</i> [Degrees]; [Field of Education, tier 1 (value – Natural sciences, mathematics and statistics)]; [Statistical year]; [Univ. of applied sciences] <i>function:</i> Total number of degrees awarded for all study levels per institution, categorized by field of study for each year. UMR 2022 edition uses one of the year's for 2018, 2019 and 2020 data. <i>Category description:</i> https://vipunen.fi/en-gb/polytechnic/Pages/Opiskelijat-ja-tutkinnot.aspx <i>data file:</i> https://vipunen.fi/en-gb/layouts/15/xlviewer.aspx?id=/en-gb/Reports/Ammattikorkeakoulujen%20tutkinnot%20-%20amk_EN.xlsx</p>

		<p>Category Students and degrees/ Degrees/ University</p> <p>xlsx sheet: <i>Item 1</i></p> <p>variables: [Degrees]; [Field of Education, tier 1 (value – Information and Communication Technologies (ICT))]; [Statistical year]; [University]</p> <p>function: Total number of degrees awarded for all study levels per institution, categorized by field of study for each year.</p> <p>UMR 2022 edition uses one of the year’s for 2018, 2019 and 2020 data.</p> <p>Category description: https://vipunen.fi/en-gb/university/Pages/Opiskelijat-ja-tutkinnot.aspx</p> <p>data file: https://vipunen.fi/en-gb/_layouts/15/xlviewer.aspx?id=/en-gb/Reports/Yliopistokoulutuksen%20tutkinnot-n%C3%A4k%C3%B6kulma-yliopisto_EN.xlsx</p> <p>source: Vipunen [Education Statistics Finland]</p> <p>Type of HEI University of applied sciences education</p> <p>Category Students and degrees/ Degrees/ University of applied sciences</p> <p>xlsx sheet: <i>Item 1</i></p> <p>variables: [Degrees]; [Field of Education, tier 1 (value – Information and Communication Technologies (ICT))]; [Statistical year]; [Univ. of applied sciences]</p> <p>function: Total number of degrees awarded for all study levels per institution, categorized by field of study for each year.</p> <p>UMR 2022 edition uses one of the year’s for 2018, 2019 and 2020 data.</p> <p>Category description: https://vipunen.fi/en-gb/polytechnic/Pages/Opiskelijat-ja-tutkinnot.aspx</p> <p>data file: https://vipunen.fi/en-gb/_layouts/15/xlviewer.aspx?id=/en-gb/Reports/Ammattikorkeakoulujen%20tutkinnot%20-%20amk_EN.xlsx</p>
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	Engineering, manufacturing and construction	<p> <i>source:</i> Vipunen [Education Statistics Finland] <i>Type of HEI:</i> University education <i>Category:</i> Students and degrees/ Degrees/ University <i>xlsx sheet:</i> <i>Item 1</i> <i>variables:</i> [Degrees]; [Field of Education, tier 1 (value – Engineering, manufacturing and construction)]; [Statistical year]; [University] <i>function:</i> Total number of degrees awarded for all study levels per institution, categorized by field of study for each year. UMR 2022 edition uses one of the year’s for 2018, 2019 and 2020 data. <i>Category description:</i> https://vipunen.fi/en-gb/university/Pages/Opiskelijat-ja-tutkinnot.aspx <i>data file:</i> https://vipunen.fi/en-gb/ layouts/15/xlviewer.aspx?id=/en-gb/Reports/Yliopistokoulutuksen%20tutkinnot-n%C3%A4k%C3%B6kulma-yliopisto EN.xlsx </p> <p> <i>source:</i> Vipunen [Education Statistics Finland] <i>Type of HEI:</i> University of applied sciences education <i>Category:</i> Students and degrees/ Degrees/ University of applied sciences <i>xlsx sheet:</i> <i>Item 1</i> <i>variables:</i> [Degrees]; [Field of Education, tier 1 (value –Engineering, manufacturing and construction)]; [Statistical year]; [Univ. of applied sciences] <i>function:</i> Total number of degrees awarded for all study levels per institution, categorized by field of study for each year. UMR 2022 edition uses one of the year’s for 2018, 2019 and 2020 data. <i>Category description:</i> https://vipunen.fi/en-gb/polytechnic/Pages/Opiskelijat-ja-tutkinnot.aspx <i>data file:</i> https://vipunen.fi/en-gb/ layouts/15/xlviewer.aspx?id=/en-gb/Reports/Ammattikorkeakoulujen%20tutkinnot%20-%20amk EN.xlsx </p>
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<p>Agriculture forestry, fisheries and veterinary</p>	<p><i>source:</i> Vipunen [Education Statistics Finland] <i>Type of HEI</i> University education <i>Category</i> Students and degrees/ Degrees/ University <i>xlsx sheet:</i> <i>Item 1</i> <i>variables:</i> [Degrees]; [Field of Education, tier 1 (value – Agriculture, forestry, fisheries and veterinary)]; [Statistical year]; [University] <i>function:</i> Total number of degrees awarded for all study levels per institution, categorized by field of study for each year. UMR 2022 edition uses one of the year’s for 2018, 2019 and 2020 data. <i>Category description:</i> https://vipunen.fi/en-gb/university/Pages/Opiskelijat-ja-tutkinnot.aspx <i>data file:</i> https://vipunen.fi/en-gb/ layouts/15/xlviewer.aspx?id=/en-gb/Reports/Yliopistokoulutuksen%20tutkinnot-n%C3%A4k%C3%B6kulma-yliopisto_EN.xlsx</p> <p><i>source:</i> Vipunen [Education Statistics Finland] <i>Type of HEI</i> University of applied sciences education <i>Category</i> Students and degrees/ Degrees/ University of applied sciences <i>xlsx sheet:</i> <i>Item 1</i> <i>variables:</i> [Degrees]; [Field of Education, tier 1 (value - Agriculture, forestry, fisheries and veterinary)]; [Statistical year]; [Univ. of applied sciences] <i>function:</i> Total number of degrees awarded for all study levels per institution, categorized by field of study for each year. UMR 2022 edition uses one of the year’s for 2018, 2019 and 2020 data. <i>Category description:</i> https://vipunen.fi/en-gb/polytechnic/Pages/Opiskelijat-ja-tutkinnot.aspx <i>data file:</i> https://vipunen.fi/en-gb/ layouts/15/xlviewer.aspx?id=/en-gb/Reports/Ammattikorkeakoulujen%20tutkinnot%20-%20amk_EN.xlsx</p>
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	Health and social welfare	<p><i>source:</i> Vipunen [Education Statistics Finland] <i>Type of HEI:</i> University education <i>Category:</i> Students and degrees/ Degrees/ University <i>xlsx sheet:</i> <i>Item 1</i> <i>variables:</i> [Degrees]; [Field of Education, tier 1 (value - Health and welfare)]; [Statistical year]; [University] <i>function:</i> Total number of degrees awarded for all study levels per institution, categorized by field of study for each year. UMR 2022 edition uses one of the year's for 2018, 2019 and 2020 data. <i>Category description:</i> https://vipunen.fi/en-gb/university/Pages/Opiskelijat-ja-tutkinnot.aspx <i>data file:</i> https://vipunen.fi/en-gb/layouts/15/xlviewer.aspx?id=/en-gb/Reports/Yliopistokoulutuksen%20tutkinnot-n%C3%A4k%C3%B6kulma-yliopisto_EN.xlsx</p> <p><i>source:</i> Vipunen [Education Statistics Finland] <i>Type of HEI:</i> University of applied sciences education <i>Category:</i> Students and degrees/ Degrees/ University of applied sciences <i>xlsx sheet:</i> <i>Item 1</i> <i>variables:</i> [Degrees]; [Field of Education, tier 1 (value - Health and welfare)]; [Statistical year]; [Univ. of applied sciences] <i>function:</i> Total number of degrees awarded for all study levels per institution, categorized by field of study for each year. UMR 2022 edition uses one of the year's for 2018, 2019 and 2020 data. <i>Category description:</i> https://vipunen.fi/en-gb/polytechnic/Pages/Opiskelijat-ja-tutkinnot.aspx <i>data file:</i> https://vipunen.fi/en-gb/layouts/15/xlviewer.aspx?id=/en-gb/Reports/Ammattikorkeakoulujen%20tutkinnot%20-%20amk_EN.xlsx</p>
	Services	<p><i>source:</i> Vipunen [Education Statistics Finland]</p>

		<p>Type of HEI University education Category Students and degrees/ Degrees/ University <i>xlsx sheet:</i> Item 1 <i>variables:</i> [Degrees]; [Field of Education, tier 1 (value - Services)]; [Statistical year]; [University] <i>function:</i> Total number of degrees awarded for all study levels per institution, categorized by field of study for each year. UMR 2022 edition uses one of the year's for 2018, 2019 and 2020 data. <i>Category description:</i> https://vipunen.fi/en-gb/university/Pages/Opiskelijat-ja-tutkinnot.aspx <i>data file:</i> https://vipunen.fi/en-gb/_layouts/15/xlviewer.aspx?id=/en-gb/Reports/Yliopistokoulutuksen%20tutkinnot-n%C3%A4k%C3%B6kulma-yliopisto_EN.xlsx</p> <p><i>source:</i> Vipunen [Education Statistics Finland] Type of HEI University of applied sciences education Category Students and degrees/ Degrees/ University of applied sciences <i>xlsx sheet:</i> Item 1 <i>variables:</i> [Degrees]; [Field of Education, tier 1 (value - Services)]; [Statistical year]; [Univ. of applied sciences] <i>function:</i> Total number of degrees awarded for all study levels per institution, categorized by field of study for each year. UMR 2022 edition uses one of the year's for 2018, 2019 and 2020 data. <i>Category description:</i> https://vipunen.fi/en-gb/polytechnic/Pages/Opiskelijat-ja-tutkinnot.aspx <i>data file:</i> https://vipunen.fi/en-gb/_layouts/15/xlviewer.aspx?id=/en-gb/Reports/Ammattikorkeakoulujen%20tutkinnot%20-%20amk_EN.xlsx</p>
Q12: Graduate unemployment	Bachelor	<p><i>source:</i> Vipunen [Education Statistics Finland] Type of HEI University education Category Placement after graduation/ Entry into employment/ University</p>

		<p><i>xlsx sheet:</i> <i>Item 1</i></p> <p><i>variables:</i> [Main type of activity (values – Unemployed; Total)]; [1 yr after graduation]; [Level of education, tier 1 (value – Bachelor’s or equivalent)]; [Statistical year]; [University]</p> <p><i>function:</i> Percentage of graduates unemployed one year after completing their studies calculated as unemployed graduates over total graduates. UMR 2022 edition uses 2019 data for Finland (the latest available).</p> <p><i>Category description:</i> https://vipunen.fi/en-gb/university/Pages/Tutkinnon-suorittaneiden-sijoittuminen.aspx</p> <p><i>data file:</i> https://vipunen.fi/en-gb/layouts/15/xlviewer.aspx?id=/en-gb/Reports/Yliopistosta%20valmistuneiden%20ty%C3%B6llistyminen%20-%20yliopisto_EN.xlsb</p> <p><i>source:</i> Vipunen [Education Statistics Finland]</p> <p><i>Type of HEI:</i> University of applied sciences education</p> <p><i>Category:</i> Placement after graduation/ Status in employment/University of applied sciences</p> <p><i>xlsx sheet:</i> <i>Item 1</i></p> <p><i>variables:</i> [Main type of activity I (values – Unemployed; Total)]; [1 yr after graduation]; [Level of education, tier 1 (value – Bachelor’s or equivalent)]; [Statistical year]; [Univ. of applied sciences]</p> <p><i>function:</i> Percentage of graduates unemployed one year after completing their studies calculated as unemployed graduates over total graduates. UMR 2022 edition uses 2019 data for Finland (the latest available).</p> <p><i>Category description:</i> https://vipunen.fi/en-gb/polytechnic/Pages/Tutkinnon-suorittaneiden-sijoittuminen.aspx</p> <p><i>data file:</i> https://vipunen.fi/en-gb/layouts/15/xlviewer.aspx?id=/en-gb/Reports/Ammattikorkeakoulusta%20valmistuneiden%20sijoittuminen%20-%20amk,%20ammattiasema_EN.xlsb</p>
	Master	<p><i>source:</i> Vipunen [Education Statistics Finland]</p>

		<p>Type of HEI University education</p> <p>Category Placement after graduation/ Entry into employment/ University</p> <p>xlsx sheet: <i>Item 1</i></p> <p>variables: [Main type of activity (values – Unemployed; Total)]; [1 yr after graduation]; [Level of education, tier 1 (value – Master’s or equivalent)]; [Statistical year]; [University]</p> <p>function: Percentage of graduates unemployed one year after completing their studies calculated as unemployed graduates over total graduates. UMR 2022 edition uses 2019 data for Finland (the latest available).</p> <p>Category description: https://vipunen.fi/en-gb/university/Pages/Tutkinnon-suorittaneiden-sijoittuminen.aspx</p> <p>data file: https://vipunen.fi/en-gb/layouts/15/xlviewer.aspx?id=/en-gb/Reports/Yliopistosta%20valmistuneiden%20ty%C3%B6llistyminen%20-%20yliopisto_EN.xlsx</p> <p>source: Vipunen [Education Statistics Finland]</p> <p>Type of HEI University of applied sciences education</p> <p>Category Placement after graduation/ Status in employment/University of applied sciences</p> <p>xlsx sheet: <i>Item 1</i></p> <p>variables: [Main type of activity I (values – Unemployed; Total)]; [1 yr after graduation]; [Level of education, tier 1 (value – Master’s or equivalent)]; [Statistical year]; [Univ. of applied sciences]</p> <p>function: Percentage of graduates unemployed one year after completing their studies calculated as unemployed graduates over total graduates. UMR 2022 edition uses 2019 data for Finland (the latest available).</p> <p>Category description: https://vipunen.fi/en-gb/polytechnic/Pages/Tutkinnon-suorittaneiden-sijoittuminen.aspx</p> <p>data file: https://vipunen.fi/en-gb/layouts/15/xlviewer.aspx?id=/en-gb/Reports/Ammattikorkeakoulusta%20valmistuneiden%20sijoittuminen%20-%20amk,%20ammattiasema_EN.xlsx</p>
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<p>Q13: Graduates in region</p>	<p>Bachelor</p>	<p><i>source:</i> Vipunen [Education Statistics Finland] <i>Type of HEI</i> University education <i>Category</i> Placement after graduation/Regional Placement/ Region where the degree was attained <i>xlsx sheet:</i> <i>Item 1</i> <i>variables:</i> [Region of degree]; [Region of residence]; [1 yr after graduation]; [Level of education, tier 1 (value – Bachelor’s or equivalent)]; [Statistical year]; [University] <i>function:</i> Percentage of Bachelor’s graduates employed in the region. UMR 2022 edition uses 2019 data for Finland (the latest available). <i>Category description:</i> https://vipunen.fi/en-gb/university/Pages/Tutkinnon-suorittaneiden-sijoittuminen.aspx <i>data file:</i> https://vipunen.fi/en-gb/layouts/15/xlviewer.aspx?id=/en-gb/Reports/Yliopistosta%20valmistuneiden%20ty%C3%B6listyminen%20-%20yliopisto_EN.xlsx</p> <p><i>source:</i> Vipunen [Education Statistics Finland] <i>Type of HEI</i> University of applied sciences education <i>Category</i> Placement after graduation/ Regional Placement/ Region where the degree was attained <i>xlsx sheet:</i> <i>Item 1</i> <i>variables:</i> [Region of degree]; [Region of residence]; [1 yr after graduation]; [Level of education, tier 1 (value – Bachelor’s or equivalent)]; [Statistical year]; [Univ. of applied sciences] <i>function:</i> Percentage of Bachelor’s graduates employed in the region. UMR 2022 edition uses 2019 data for Finland (the latest available). <i>Category description:</i> https://vipunen.fi/en-gb/polytechnic/Pages/Tutkinnon-suorittaneiden-sijoittuminen.aspx <i>data file:</i> https://vipunen.fi/en-gb/layouts/15/xlviewer.aspx?id=/en-gb/Reports/Ammattikorkeakoulusta%20valmistuneiden%20aluell.%20sijoittuminen%20-%20suoritusmaakunta,%20asuinmaakunta_EN.xlsx</p>
	<p>Master</p>	<p><i>source:</i> Vipunen [Education Statistics Finland] <i>Type of HEI</i> University education</p>

		<p>Category Placement after graduation/ Entry into employment/ University</p> <p>xlsx sheet: <i>Item 1</i></p> <p>variables: [Region of degree]; [Region of residence]; [1 yr after graduation]; [Level of education, tier 1 (value – Master’s or equivalent)]; [Statistical year]; [University]</p> <p>function: Percentage of Master’s graduates employed in the region. UMR 2022 edition uses 2019 data for Finland (the latest available).</p> <p>Category description: https://vipunen.fi/en-gb/university/Pages/Tutkinnon-suorittaneiden-sijoittuminen.aspx</p> <p>data file: https://vipunen.fi/en-gb/layouts/15/xlviewer.aspx?id=/en-gb/Reports/Yliopistosta%20valmistuneiden%20ty%C3%B6listyminen%20-%20yliopisto_EN.xlsb</p> <p>source: Vipunen [Education Statistics Finland]</p> <p>Type of HEI University of applied sciences education</p> <p>Category Placement after graduation/ Regional Placement/ Region where the degree was attained</p> <p>xlsx sheet: <i>Item 1</i></p> <p>variables: [Region of degree]; [Region of residence]; [1 yr after graduation]; [Level of education, tier 1 (value – Master’s or equivalent)]; [Statistical year]; [Univ. of applied sciences]</p> <p>function: Percentage of Master’s graduates employed in the region. UMR 2022 edition uses 2019 data for Finland (the latest available).</p> <p>Category description: https://vipunen.fi/en-gb/polytechnic/Pages/Tutkinnon-suorittaneiden-sijoittuminen.aspx</p> <p>data file: https://vipunen.fi/en-gb/layouts/15/xlviewer.aspx?id=/en-gb/Reports/Ammattikorkeakoulusta%20valmistuneiden%20aluell.%20sijoittuminen%20-%20suoritusmaakunta,%20asuinmaakunta_EN.xlsb</p>
	Region used	‘Region of Residence’ one year after graduation should match the ‘Region of degree’ (if an institution has campuses in multiple regions, the region of residence for a graduate needs to match the specific region where the degree was obtained.).

<p>Q14: Academic staff</p>	<p>Academic staff in FTEs</p>	<p><i>source:</i> Vipunen [Education Statistics Finland] <i>Type of HEI</i> University education <i>Category</i> Personnel/Teaching and research staff at universities/ University <i>xlsx sheet:</i> <i>Item 1</i> <i>variables:</i> [Research career phase or hourly teaching]; [Person work years in universities]; [Statistical year]; [University] <i>function:</i> Total number of academic staff expressed in full time equivalents (FTEs) <i>Category</i> https://vipunen.fi/en-gb/university/Pages/Henkil%C3%B6st%C3%B6.aspx <i>description:</i> <i>data file:</i> https://vipunen.fi/en-gb/layouts/15/xlviewer.aspx?id=/en-gb/Reports/Yliopistojen%20opetus-%20ja%20tutkimushenkil%C3%B6kunta%20-%20yliopisto_en.xlsb</p> <p><i>source:</i> Vipunen [Education Statistics Finland] <i>Type of HEI</i> University of applied sciences education <i>Category</i> Personnel /Personnel in universities of applied sciences/ University of applied sciences education <i>xlsx sheet:</i> <i>Item 1</i> <i>variables:</i> [Task categorization (values – Teaching staff; RDI staff)]; [Person work years]; [Statistical year]; [University of applied sciences] <i>function:</i> Total number of academic staff expressed in full time equivalents (FTEs) <i>Category</i> https://vipunen.fi/en-gb/polytechnic/Pages/Henkil%C3%B6st%C3%B6.aspx <i>description:</i> <i>data file:</i> https://vipunen.fi/en-gb/layouts/15/xlviewer.aspx?id=/en-gb/Reports/Amk%20henkil%C3%B6st%C3%B6%20-%20amk_EN.xlsb</p> <p><i>Note from a country expert: The variable [Person work years in universities] refers to the number of FTE employed in universities and [Person work years] refer to FTEs employed at Universities of applied science.</i></p>
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academic staff with foreign nationality		<p><i>source:</i> Vipunen [Education Statistics Finland] <i>Type of HEI</i> University of applied sciences education <i>Category</i> Personnel /Personnel in universities of applied sciences/ University of applied sciences education <i>xlsx sheet:</i> <i>Item 1</i> <i>variables:</i> [Task categorization (values – Teaching staff; RDI staff)]; [Person work years]; [Statistical year]; [University of applied sciences]; [Nationality (value – Europe*; North America; Latin America and Caribbean; Africa, Asia)]. <i>function:</i> Total number of academic staff expressed in full time equivalents (FTEs) <i>Category</i> https://vipunen.fi/en-gb/polytechnic/Pages/Henkil%C3%B6st%C3%B6.aspx <i>description:</i> <i>data file:</i> https://vipunen.fi/en-gb/_layouts/15/xlviewer.aspx?id=/en-gb/Reports/Amk%20henkil%C3%B6st%C3%B6%20-%20amk_EN.xlsx</p> <p><i>Note:</i> [Person work years] refer to FTEs employed at Universities of applied science. <i>U-Multirank will estimate the share of foreign academic staff from FTE's instead of headcount and acknowledge it on its website in the comment section next to the indicator. For the variable [nationality]* the category Europe excludes Finland.</i></p>
female academic staff		<p><i>source:</i> Vipunen [Education Statistics Finland] <i>Type of HEI</i> University education <i>Category</i> Personnel/Teaching and research staff at universities/ University <i>xlsx sheet:</i> <i>Item 1</i> <i>variables:</i> [Research career phase or hourly teaching]; [Person work years in universities]; [Statistical year]; [University]; [Gender(value – female)] <i>function:</i> Total number of female academic staff expressed in headcount (HC) <i>Category</i> https://vipunen.fi/en-gb/university/Pages/Henkil%C3%B6st%C3%B6.aspx <i>description:</i> <i>data file:</i> https://vipunen.fi/en-gb/_layouts/15/xlviewer.aspx?id=/en-gb/Reports/Yliopistojen%20opetus-%20ja%20utkimushenkil%C3%B6kunta%20-%20yliopisto_en.xlsx</p>

		<p> <i>source:</i> Vipunen [Education Statistics Finland] <i>Type of HEI</i> University of applied sciences education <i>Category</i> Personnel /Personnel in universities of applied sciences/ University of applied sciences education; [Gender(value – female)] <i>xlsx sheet:</i> <i>Item 1</i> <i>variables:</i> [Task categorization (values – Teaching staff; RDI staff)]; [Person work years]; [Statistical year]; [University of applied sciences] <i>function:</i> Total number of female academic staff expressed in full time equivalents (FTEs) <i>Category</i> https://vipunen.fi/en-gb/polytechnic/Pages/Henkil%C3%B6st%C3%B6.aspx <i>description:</i> <i>data file:</i> https://vipunen.fi/en-gb/layouts/15/xlviewer.aspx?id=/en-gb/Reports/Amk%20henkil%C3%B6st%C3%B6%20-%20amk_EN.xlsx </p> <p> <i>Note from a country expert: ‘The variable [Person work years in universities] refers to the number of FTE employed in universities and [Person work years] refer to FTEs employed at Universities of applied science.’ U-Multirank will estimate the share of female academic staff from FTE’s instead of headcount and acknowledge it on its website in the comment section next to the indicator.</i> </p>
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Doctoral candidates counted as academic staff in FTEs		<p><i>source:</i> Vipunen [Education Statistics Finland]</p> <p><i>Type of HEI</i> University education</p> <p><i>Category</i> Personnel/Teaching and research staff at universities/ University</p> <p><i>xlsx sheet:</i> <i>Item 1</i></p> <p><i>variables:</i> [Research career phase or hourly teaching (value – Level 1 (e.g. Doctoral student)); [Person work years in universities]; [Statistical year]; [University]</p> <p><i>function:</i> Total number of doctoral candidates counted as academic staff expressed in full time equivalents (FTEs)</p> <p><i>Category description:</i> https://vipunen.fi/en-gb/university/Pages/Henkil%C3%B6st%C3%B6.aspx</p> <p><i>data file:</i> https://vipunen.fi/en-gb/ layouts/15/xlviewer.aspx?id=/en-gb/Reports/Yliopistojen%20opetus-%20ja%20utkimushenkil%C3%B6kunta%20-%20yliopisto_en.xlsx</p>
Female doctoral candidates		<p><i>source:</i> Vipunen [Education Statistics Finland]</p> <p><i>Type of HEI</i> University education</p> <p><i>Category</i> Personnel/Teaching and research staff at universities/ University</p> <p><i>xlsx sheet:</i> <i>Item 1</i></p> <p><i>variables:</i> [Research career phase or hourly teaching (value – Level 1 (e.g. Doctoral student)); [Person work years in universities]; [Statistical year]; [University]; [Gender(value – female)]</p> <p><i>function:</i> Total number of female doctoral candidates expressed in headcount (HC)</p> <p><i>Category description:</i> https://vipunen.fi/en-gb/university/Pages/Henkil%C3%B6st%C3%B6.aspx</p> <p><i>data file:</i> https://vipunen.fi/en-gb/ layouts/15/xlviewer.aspx?id=/en-gb/Reports/Yliopistojen%20opetus-%20ja%20utkimushenkil%C3%B6kunta%20-%20yliopisto_en.xlsx</p> <p><i>Note from a country expert: 'The variable [Person work years in universities] refers to the number of FTE employed.' U-Multirank will estimate the share of female doctoral candidates counted as academic staff</i></p>

		<p>from FTE's instead of headcount and acknowledge it on its website in the comment section next to the indicator.</p>
Q15: Post-docs	Post docs (head-count)	<p><i>source:</i> Vipunen [Education Statistics Finland] <i>Type of HEI:</i> University education <i>Category:</i> Personnel/Teaching and research staff at universities/ University <i>xlsx sheet:</i> <i>Item 1</i> <i>variables:</i> [Research career phase or hourly teaching (value – Level 1 (e.g. Postdoctoral researcher)); [Person work years in universities]; [Statistical year]; [University] <i>function:</i> Total number of doctoral candidates counted as academic staff expressed in full time equivalents (FTEs) <i>Category description:</i> https://vipunen.fi/en-gb/university/Pages/Henkil%C3%B6st%C3%B6.aspx <i>data file:</i> https://vipunen.fi/en-gb/layouts/15/xlviewer.aspx?id=/en-gb/Reports/Yliopistojen%20opetus-%20ja%20tutkimushenkil%C3%B6kunta%20-%20yliopisto_en.xlsx</p> <p><i>Note from a country expert: 'The variable [Person work years in universities] refers to the number of FTE employed in universities.' U-Multirank will estimate the share of postdocs from FTE's instead of headcount and acknowledge it on its website in the comment section next to the indicator.</i></p>
Q20: Research outputs	Number of academic publications	<p><i>source:</i> Vipunen [Education Statistics Finland] <i>Type of HEI:</i> University education <i>Category:</i> Publications/Publications/ University <i>xlsx sheet:</i> <i>Item 1</i> <i>variables:</i> [Publications]; [Main Publication Category]; [Statistical year]; [University] <i>Values selected for [Main Publication Category]:</i> A Peer-reviewed scientific articles; C Scientific books (monographs); G Theses</p>

		<p><i>function:</i> Total number of academic publications; UMR 2022 edition uses one of the year's for 2018, 2019 and 2020 data.</p> <p><i>Category description:</i> https://vipunen.fi/en-gb/university/Pages/Julkaisut.aspx</p> <p><i>data file:</i> https://vipunen.fi/en-gb/layouts/15/xlviewer.aspx?id=/en-gb/Reports/Yliopistokoulutus%20-%20julkaisut%20-%20yliopisto_en.xlsx</p> <p><i>source:</i> Vipunen [Education Statistics Finland]</p> <p><i>Type of HEI:</i> University of applied sciences education</p> <p><i>Category:</i> Publication/Publications/University of applied sciences</p> <p><i>xlsx sheet:</i> <i>Item 1</i></p> <p><i>variables:</i> [Publications]; [Main Publication Category]; [Statistical year]; [Univ. of applied sciences] <i>Values selected for [Main Publication Category]: A Peer-reviewed scientific articles; C Scientific books (monographs); G Theses</i></p> <p><i>function:</i> Total number of academic publications; UMR 2022 edition uses one of the year's for 2018, 2019 and 2020 data.</p> <p><i>Category description:</i> https://vipunen.fi/en-gb/polytechnic/Pages/Julkaisut.aspx</p> <p><i>data file:</i> https://vipunen.fi/en-gb/layouts/15/xlviewer.aspx?id=/en-gb/Reports/Ammattikorkeakoulutus%20-%20julkaisut%20-%20ammattikorkeakoulu_en.xlsx</p>
	Number of professional publications	<p><i>source:</i> Vipunen [Education Statistics Finland]</p> <p><i>Type of HEI:</i> University education</p> <p><i>Category:</i> Publications/Publications/ University</p> <p><i>xlsx sheet:</i> <i>Item 1</i></p> <p><i>variables:</i> [Publications]; [Main Publication Category]; [Statistical year]; [University] <i>Values selected for [Main Publication Category]: D Publications intended for professional communities</i></p>

		<p><i>function:</i> Total number of professional publications; UMR 2022 edition uses one of the year's for 2018, 2019 and 2020 data.</p> <p><i>Category description:</i> https://vipunen.fi/en-gb/university/Pages/Julkaisut.aspx</p> <p><i>data file:</i> https://vipunen.fi/en-gb/layouts/15/xlviewer.aspx?id=/en-gb/Reports/Yliopistokoulutus%20-%20julkaisut%20-%20yliopisto_en.xlsb</p> <p><i>source:</i> Vipunen [Education Statistics Finland] Type of HEI: University of applied sciences education Category: Publication/Publications/University of applied sciences <i>xlsx sheet:</i> Item 1 <i>variables:</i> [Publications]; [Main Publication Category]; [Statistical year]; [Univ. of applied sciences] <i>Values selected for [Main Publication Category]:</i> D Publications intended for professional communities</p> <p><i>function:</i> Total number of professional publications; UMR 2022 edition uses one of the year's for 2018, 2019 and 2020 data.</p> <p><i>Category description:</i> https://vipunen.fi/en-gb/polytechnic/Pages/Julkaisut.aspx</p> <p><i>data file:</i> https://vipunen.fi/en-gb/layouts/15/xlviewer.aspx?id=/en-gb/Reports/Ammattikorkeakoulutus%20-%20julkaisut%20-%20ammattikorkeakoulu_en.xlsb</p>
	Number of art-related research outputs	<p><i>source:</i> Vipunen [Education Statistics Finland] Type of HEI: University education Category: Publications/Publications/ University <i>xlsx sheet:</i> Item 1 <i>variables:</i> [Publications]; [Main Publication Category]; [Statistical year]; [University] <i>Values selected for [Main Publication Category]:</i> F Public artistic and design activities</p> <p><i>function:</i> Total number of arts output;</p>

		<p>UMR 2022 edition uses one of the year's for 2018, 2019 and 2020 data.</p> <p><i>Category description:</i> https://vipunen.fi/en-gb/university/Pages/Julkaisut.aspx</p> <p><i>data file:</i> https://vipunen.fi/en-gb/layouts/15/xlviewer.aspx?id=/en-gb/Reports/Yliopistokoulutus%20-%20julkaisut%20-%20yliopisto_en.xlsb</p> <p><i>source:</i> Vipunen [Education Statistics Finland]</p> <p>Type of HEI: University of applied sciences education</p> <p>Category: Publication/Publications/University of applied sciences</p> <p><i>xlsx sheet:</i> <i>Item 1</i></p> <p><i>variables:</i> [Publications]; [Main Publication Category]; [Statistical year]; [Univ. of applied sciences] <i>Values selected for [Main Publication Category]: F Public artistic and design activities</i></p> <p><i>function:</i> Total number of arts output; UMR 2022 edition uses one of the year's for 2018, 2019 and 2020 data.</p> <p><i>Category description:</i> https://vipunen.fi/en-gb/polytechnic/Pages/Julkaisut.aspx</p> <p><i>data file:</i> https://vipunen.fi/en-gb/layouts/15/xlviewer.aspx?id=/en-gb/Reports/Ammattikorkeakoulutus%20-%20julkaisut%20-%20ammattikorkeakoulu_en.xlsb</p>
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