

PREFILLING U-MULTIRANK DATA FOR CANADA

U-Multriank 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 Canadian 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 Canada are:

- CODU: data on students, academics, revenues
- COU: the official name of the institution
- The World Bank: exchange rate and PPP for revenue and expense data

NATIONAL OR REGIONAL SOURCES

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

CODU (eng: the Common University Data Ontario (CODU)) of the Council of Ontario Universities [https://cudo.ouac.on.ca/] is an open data portal available to the public and provides data about Ontario's universities. U-Multirank 2022 edition collects data for years 2018-2020. For U-Multirank 2022 edition CODU data is available for 2018 and 2019 (except financial data). As indicated on CODU website (table notes), financial data on CODU platform is obtained from the COFO database and is updated annually in January/February.¹

Data obtained:

¹ CUDO. (2022). I1. University Revenue (Table notes). Retrieved from : https://cudo.ouac.on.ca/page.php?id=7&table=19#univ=1,2,3,4,5,8,9,11,12,14,15,16,17,21,22,23,24,25,27,28,29,30,31,32,33,34,35,42&y=2017&r=1358



- Student data (e.g. number of students per program, new entrants and graduates, foreign students by immigration status mobility)
- Data on academic staff (e.g. academic staff employed(FTEs))
- Financial data (e.g. revenues by category, total expenditures)

COFO (eng: the the Council of Ontario Finance Officers) is an affiliate of the Council of Ontario Universities. COFO is comprised of senior finance officers from the province's 20 universities. Its activities include producing an annual financial report on sector financial details, producing the Financial Report of Ontario Universities Highlights, as well as collecting the reports submitted by COFO members.²

Data obtained:

• No data was obtained from COFO as sufficient data was available from CODU. However, in the future this source might be considered for more granular financial data.

INTERNATIONAL SOURCES

<u>Measurement level:</u> 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 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 converts and compare revenue and expense data.

² Council of Ontario's Universities. (2019). Financial data (COFU). Retrieved from: https://ontariosuniversities.ca/resources/data/cofo

³ World Bank. (2022). The Wolrd Bank Data. Retrieved from: https://data.worldbank.org/about



APPENDIX

U-Multirank Question	Data element	Mapped element	
Q1: Name	Legal name of the institution	COU	
	English name to appear in U-Multirank		
Q2: General characteristics	Type of institution:		
	Public/ private character:	Website	
	Foundation year of current institution:	Website	
Q3: Contact			
	Contact person last name:	website	
	Position /Unit:		
	E-mail	Website	
Q4: Programs	Short degree		
		source:	CUDO database
		topic:	A. General Information
		sub-section:	A2. Qualifications Offered/Awarded
		category:	-
		degree-level:	[Undergraduate Certificate], [Undergraduate diploma]
		full-time/part-time:	-
		universities:	[Select all]
		year:	[2018], [2019]



	function:	Number of qualifications offered/awarded per institution for the calendar year 2018 and 2019
	link:	https://cudo.ouac.on.ca/page.php?id=7&table=5#univ=1,2,3,4,5,8,9,11,12,14,15,16 ,17,21,22,23,24,25,27,28,29,30,31,32,33,34,35,42&topic=A&table_hidden=5&y=20 16
	sources consulted:	https://www.ontariocolleges.ca/en/apply/program-types http://www.tcu.gov.on.ca/pepg/programs/oqf/ontario-qualifications-framework- oct-2018-en.pdf https://www.ouac.on.ca/applications/
	•	ed/awarded; vide information on the number of programmes offered; gorised as first degree programmes.
Bachelor		CURO dada
	source:	CUDO database A. General Information
	topic:	
	sub-section:	A2. Qualifications Offered/Awarded
	category:	[Dankalayle Danyas]
	degree-level:	[Bachelor's Degree]
	full-time/part-time:	
	universities:	[Select all]
	year:	[2018], [2019]
	function:	Number of qualifications offered/awarded per institution for the calendar year 2018 and 2019
	link:	https://cudo.ouac.on.ca/page.php?id=7&table=5#univ=1,2,3,4,5,8,9,11,12,14,15,16
		,17,21,22,23,24,25,27,28,29,30,31,32,33,34,35,42&topic=A&table hidden=5&y=20
		<u>18</u>



	sources consulted:	https://www.ontariocolleges.ca/en/apply/program-types
		http://www.tcu.gov.on.ca/pepg/programs/oqf/ontario-qualifications-framework-
		oct-2018-en.pdf
		https://www.ouac.on.ca/applications/
Master	source:	CUDO database
	topic:	A. General Information
	sub-section:	A2. Qualifications Offered/Awarded
	category:	-
	degree-level:	[Master's Degree], [Graduate Diploma], [Graduate Certificate], [1st professional degree]
	full-time/part-time:	-
	universities:	[Select all]
	year:	[2018], [2019]
	function:	Number of qualifications offered/awarded per institution for the calendar year 2018 and 2019
	link:	https://cudo.ouac.on.ca/page.php?id=7&table=5#univ=1,2,3,4,5,8,9,11,12,14,15,16 ,17,21,22,23,24,25,27,28,29,30,31,32,33,34,35,42&topic=A&table_hidden=5&y=20 18
	sources consulted:	https://www.ontariocolleges.ca/en/apply/program-types
		http://www.tcu.gov.on.ca/pepg/programs/oqf/ontario-qualifications-framework-
		oct-2018-en.pdf
		https://www.ouac.on.ca/applications/
Doctorate/PhD		
	source:	CUDO database
	topic:	A. General Information
	sub-section:	A2. Qualifications Offered/Awarded
	category:	-
	degree-level:	[Doctoral Degree]



		full-time/part-time:	-
		universities:	[Select all]
		year:	[2018], [2019]
		function:	Number of qualifications offered/awarded per institution for the calendar year 2018 and 2019
		link:	https://cudo.ouac.on.ca/page.php?id=7&table=5#univ=1,2,3,4,5,8,9,11,12,14,15,16 ,17,21,22,23,24,25,27,28,29,30,31,32,33,34,35,42&topic=A&table hidden=5&y=20 18
		sources consulted:	https://www.ontariocolleges.ca/en/apply/program-types http://www.tcu.gov.on.ca/pepg/programs/oqf/ontario-qualifications-framework-oct-2018-en.pdf https://www.ouac.on.ca/applications/
Q5: Students	Students enrolled		
		source:	CUDO database
		topic:	A. General Information
		sub-section:	A6.Total Enrolment by Program
		category:	[Total Enrolment]
		degree-level:	[AII]
		full-time/part-time:	[AII]
		universities:	[Select all]
		year:	[2018], [2019]
		function:	Total registered students per institutions for 2018, 2019
		link:	https://cudo.ouac.on.ca/page.php?id=7&table=7#univ=1,2,3,4,5,8,9,11,12,14,15,16
			,17,21,22,23,24,25,27,28,29,30,31,32,33,34,35,42&topic=A&table hidden=5&r=921



Q6:	Foreign degree seeking		
International	students	source:	CUDO database
students		topic:	A. General Information
		sub-section:	A6.Total Enrolment by Program
		category:	[Total: International Enrolment]
		degree-level:	[AII]
		full-time/part-time:	[AII]
		universities:	[Select all]
		year:	[2018], [2019]
		function:	Total registered students per institutions for 2018, 2019
		link:	https://cudo.ouac.on.ca/page.php?id=7&table=7#univ=1,2,3,4,5,8,9,11,12,14,15,16
			,17,21,22,23,24,25,27,28,29,30,31,32,33,34,35,42&topic=A&table hidden=5&r=920
			<u>&y=2018</u>
Q9: Graduates			
	Short degree		
		source:	CUDO database
		topic:	A. General Information
		sub-section:	A2. Qualifications Offered/Awarded
		category:	-
		degree-level:	[Undergraduate Certificate], [Undergraduate diploma]
		full-time/part-time:	-
		universities:	[Select all]
		year:	[2018], [2019]



	function:	Number of qualifications offered/awarded per institution for the calendar year 2018 and 2019
	link:	https://cudo.ouac.on.ca/page.php?id=7&table=5#univ=1,2,3,4,5,8,9,11,12,14,15,16,17,21,22,23,24,25,27,28,29,30,31,32,33,34,35,42&topic=A&table_hidden=5&y=20
	sources consulted:	https://www.ontariocolleges.ca/en/apply/program-types http://www.tcu.gov.on.ca/pepg/programs/oqf/ontario-qualifications-framework-oct-2018-en.pdf https://www.ouac.on.ca/applications/
Bachelor		
Bachelor	source:	CUDO database
	topic:	A. General Information
	sub-section:	A2. Qualifications Offered/Awarded
	category:	
	degree-level:	[Bachelor's Degree]
	full-time/part-time:	-
	universities:	[Select all]
	year:	[2018], [2019]
	function:	Number of qualifications offered/awarded per institution for the calendar year 2018 and 2019
	link:	https://cudo.ouac.on.ca/page.php?id=7&table=5#univ=1,2,3,4,5,8,9,11,12,14,15,16 ,17,21,22,23,24,25,27,28,29,30,31,32,33,34,35,42&topic=A&table_hidden=5&y=20 18
	sources consulted:	https://www.ontariocolleges.ca/en/apply/program-types http://www.tcu.gov.on.ca/pepg/programs/oqf/ontario-qualifications-framework- oct-2018-en.pdf https://www.ouac.on.ca/applications/



Master		
	source:	CUDO database
	topic:	A. General Information
	sub-section:	A2. Qualifications Offered/Awarded
	category:	-
	degree-level:	[Master's Degree], [Graduate Diploma], [Graduate Certificate], [1st professional degree]
	full-time/part-time:	-
	universities:	[Select all]
	year:	[2018], [2019]
	function:	Number of qualifications offered/awarded per institution for the calendar year
		2018 and 2019
	link:	https://cudo.ouac.on.ca/page.php?id=7&table=5#univ=1,2,3,4,5,8,9,11,12,14,15,1
		,17,21,22,23,24,25,27,28,29,30,31,32,33,34,35,42&topic=A&table_hidden=5&y=20
		18
	sources consulted:	https://www.ontariocolleges.ca/en/apply/program-types
		http://www.tcu.gov.on.ca/pepg/programs/oqf/ontario-qualifications-framework-
		oct-2018-en.pdf https://www.ouac.on.ca/applications/
		inteps.//www.ouac.on.ca/applications/
Doctorate/Phd		
	source:	CUDO database
	topic:	A. General Information
	sub-section:	A2. Qualifications Offered/Awarded
	category:	-
	degree-level:	[Doctoral Degree]
	full-time/part-time:	-



		universities:	[Select all]
		year:	[2018], [2019]
		function:	Number of qualifications offered/awarded per institution for the calendar year
			2018 and 2019
		link:	https://cudo.ouac.on.ca/page.php?id=7&table=5#univ=1,2,3,4,5,8,9,11,12,14,15,16
			,17,21,22,23,24,25,27,28,29,30,31,32,33,34,35,42&topic=A&table hidden=5&y=20
			<u>18</u>
		sources consulted:	https://www.ontariocolleges.ca/en/apply/program-types
			http://www.tcu.gov.on.ca/pepg/programs/oqf/ontario-qualifications-framework-
			oct-2018-en.pdf
			https://www.ouac.on.ca/applications/
Q10: Graduates	Education		T
by field		source:	CUDO database
		topic:	A. General Information
		sub-section:	A3. Degrees Conferred by Program
		category:	[Education]
		degree-level:	[AII]
		full-time/part-time:	[AII]
		universities:	[Select all]
		year:	[2018]
		function:	Number of qualifications offered/awarded per institution for the calendar year
			2018
		link:	https://cudo.ouac.on.ca/page.php?id=7&table=5#univ=1,2,3,4,5,8,9,11,12,14,15,16
			,17,21,22,23,24,25,27,28,29,30,31,32,33,34,35,42&topic=A&table_hidden=5&y=20
			<u>18</u>
		sources consulted:	https://www.ontariocolleges.ca/en/apply/program-types
			http://www.tcu.gov.on.ca/pepg/programs/oqf/ontario-qualifications-framework-
			oct-2018-en.pdf
			https://www.ouac.on.ca/applications/



Humanities and arts		
	source:	CUDO database
	topic:	A. General Information
	sub-section:	A3. Degrees Conferred by Program
	category:	[Archeology, Arts, other arts, Theology, Humanities]
	degree-level:	[AII]
	full-time/part-time:	[AII]
	universities:	[Select all]
	year:	[2018]
	function:	Number of qualifications offered/awarded per institution for the calendar year
		2018
	link:	https://cudo.ouac.on.ca/page.php?id=7&table=5#univ=1,2,3,4,5,8,9,11,12,14,15,16
		,17,21,22,23,24,25,27,28,29,30,31,32,33,34,35,42&topic=A&table_hidden=5&y=20
		<u>18</u>
	sources consulted:	https://www.ontariocolleges.ca/en/apply/program-types
		http://www.tcu.gov.on.ca/pepg/programs/oqf/ontario-qualifications-framework-
		oct-2018-en.pdf
		https://www.ouac.on.ca/applications/
Social sciences		
	source:	CUDO database
	topic:	A. General Information
	sub-section:	A3. Degrees Conferred by Program
	category:	[Journalism, Social sciences]



	degree-level:	[AII]
	full-time/part-time:	[AII]
	universities:	[Select all]
	year:	[2018]
	function:	Number of qualifications offered/awarded per institution for the calendar year 2018
	link:	https://cudo.ouac.on.ca/page.php?id=7&table=5#univ=1,2,3,4,5,8,9,11,12,14,15,16 ,17,21,22,23,24,25,27,28,29,30,31,32,33,34,35,42&topic=A&table hidden=5&y=20 18
	sources consulted:	https://www.ontariocolleges.ca/en/apply/program-types http://www.tcu.gov.on.ca/pepg/programs/oqf/ontario-qualifications-framework-
		oct-2018-en.pdf https://www.ouac.on.ca/applications/
Business and law		
	source:	CUDO database
	topic:	A. General Information
	sub-section:	A3. Degrees Conferred by Program
	category:	[business studies, Law]
	degree-level:	[AII]
	full-time/part-time:	[AII]
	universities:	[Select all]
	year:	[2018]
	function:	Number of qualifications offered/awarded per institution for the calendar year 2018
	link:	https://cudo.ouac.on.ca/page.php?id=7&table=5#univ=1,2,3,4,5,8,9,11,12,14,15,16 ,17,21,22,23,24,25,27,28,29,30,31,32,33,34,35,42&topic=A&table hidden=5&y=20 18



	sources consulted:	https://www.ontariocolleges.ca/en/apply/program-types http://www.tcu.gov.on.ca/pepg/programs/oqf/ontario-qualifications-framework- oct-2018-en.pdf https://www.ouac.on.ca/applications/
Natural science,		
mathematics and	source:	CUDO database
statistics	topic:	A. General Information
	sub-section:	A3. Degrees Conferred by Program
	category:	[Mathematics, physical sciences]
	degree-level:	[AII]
	full-time/part-time:	[AII]
	universities:	[Select all]
	year:	[2018]
	function:	Number of qualifications offered/awarded per institution for the calendar year 2018
	link:	https://cudo.ouac.on.ca/page.php?id=7&table=5#univ=1,2,3,4,5,8,9,11,12,14,15,16 ,17,21,22,23,24,25,27,28,29,30,31,32,33,34,35,42&topic=A&table hidden=5&y=20 18
	sources consulted:	https://www.ontariocolleges.ca/en/apply/program-types http://www.tcu.gov.on.ca/pepg/programs/oqf/ontario-qualifications-framework- oct-2018-en.pdf https://www.ouac.on.ca/applications/
	A3: degrees conferred b The fields are not exactl	by program ly the same as the ISCED classification: a conversion table is needed



Information and		
communication	source:	CUDO database
technologies	topic:	A. General Information
	sub-section:	A3. Degrees Conferred by Program
	category:	[Computer science]
	degree-level:	[AII]
	full-time/part-time:	[AII]
	universities:	[Select all]
	year:	[2018]
	function:	Number of qualifications offered/awarded per institution for the calendar year 2018
	link:	https://cudo.ouac.on.ca/page.php?id=7&table=5#univ=1,2,3,4,5,8,9,11,12,14,15,10,17,21,22,23,24,25,27,28,29,30,31,32,33,34,35,42&topic=A&table hidden=5&y=20,18
	sources consulted:	https://www.ontariocolleges.ca/en/apply/program-types http://www.tcu.gov.on.ca/pepg/programs/oqf/ontario-qualifications-framework-oct-2018-en.pdf https://www.ouac.on.ca/applications/
Engineering,		
manufacturing and	source:	CUDO database
construction	topic:	A. General Information
	sub-section:	A3. Degrees Conferred by Program
	category:	[Engineering]
	degree-level:	[AII]
	full-time/part-time:	[AII]
	universities:	[Select all]



	year:	[2018]
	function:	Number of qualifications offered/awarded per institution for the calendar year
		2018
	link:	https://cudo.ouac.on.ca/page.php?id=7&table=5#univ=1,2,3,4,5,8,9,11,12,14,15,16
		,17,21,22,23,24,25,27,28,29,30,31,32,33,34,35,42&topic=A&table_hidden=5&y=20
		<u>18</u>
	sources consulted:	https://www.ontariocolleges.ca/en/apply/program-types
		http://www.tcu.gov.on.ca/pepg/programs/oqf/ontario-qualifications-framework-
		oct-2018-en.pdf
		https://www.ouac.on.ca/applications/
Agriculture forestry,		
fisheries and veterinary	source:	CUDO database
	topic:	A. General Information
	sub-section:	A3. Degrees Conferred by Program
	category:	[Agriculture, forestry, food science and nutrician, veterinary medicine]
	degree-level:	[AII]
	full-time/part-time:	[AII]
	universities:	[Select all]
	year:	[2018]
	function:	Number of qualifications offered/awarded per institution for the calendar year
		2018
	link:	https://cudo.ouac.on.ca/page.php?id=7&table=5#univ=1,2,3,4,5,8,9,11,12,14,15,16
		,17,21,22,23,24,25,27,28,29,30,31,32,33,34,35,42&topic=A&table hidden=5&y=20
		<u>18</u>
	sources consulted:	https://www.ontariocolleges.ca/en/apply/program-types
		http://www.tcu.gov.on.ca/pepg/programs/oqf/ontario-qualifications-framework-
		oct-2018-en.pdf
		https://www.ouac.on.ca/applications/



	Health and social welfare		
		source:	CUDO database
		topic:	A. General Information
		sub-section:	A3. Degrees Conferred by Program
		category:	[Dentistry, medical science, nursing, optometry, other health, pharmacy, therapy and rehabilitation]
		degree-level:	[AII]
		full-time/part-time:	[AII]
		universities:	[Select all]
		year:	[2018]
		function:	Number of qualifications offered/awarded per institution for the calendar year 2018
		link:	https://cudo.ouac.on.ca/page.php?id=7&table=5#univ=1,2,3,4,5,8,9,11,12,14,15,16
		IINK:	17,21,22,23,24,25,27,28,29,30,31,32,33,34,35,42&topic=A&table hidden=5&y=20
			18
		sources consulted:	https://www.ontariocolleges.ca/en/apply/program-types
			http://www.tcu.gov.on.ca/pepg/programs/oqf/ontario-qualifications-framework-
			oct-2018-en.pdf
			https://www.ouac.on.ca/applications/
Q14: Academic	Academic staff in FTEs		
staff		source:	CUDO database
		topic:	H. Instructional Faculty and Class Size



		sub-section:	H1. Number of Instructional Faculty Members (Excluding Clinicians) in Each Category
		Faculty member	[Total number of instructional faculty]
		category:	
		degree-level:	-
		full-time/part-time:	[Total FTEs (est)]
		universities:	[Select all]
		year:	[2018]
		function:	Total number of instructional faculty per institution for the calendar year 2018
		link:	https://cudo.ouac.on.ca/page.php?id=7&table=17#univ=1,2,3,4,5,8,9,11,12,14,15
			6,17,21,22,23,24,25,27,28,29,30,31,32,33,34,35,42&y=2018
		sources consulted:	https://www.ontariocolleges.ca/en/apply/program-types
			http://www.tcu.gov.on.ca/pepg/programs/oqf/ontario-qualifications-framework-
			oct-2018-en.pdf
			https://www.ouac.on.ca/applications/
fema	ale academic staff	source:	
fema	ale academic staff	source:	CUDO database
fema	ale academic staff	topic:	CUDO database H. Instructional Faculty and Class Size
fema	ale academic staff		CUDO database H. Instructional Faculty and Class Size H1. Number of Instructional Faculty Members (Excluding Clinicians) in Each
fema	ale academic staff	topic:	CUDO database H. Instructional Faculty and Class Size
fema	ale academic staff	topic: sub-section:	CUDO database H. Instructional Faculty and Class Size H1. Number of Instructional Faculty Members (Excluding Clinicians) in Each Category
fema	ale academic staff	topic: sub-section: Faculty member	CUDO database H. Instructional Faculty and Class Size H1. Number of Instructional Faculty Members (Excluding Clinicians) in Each Category
fema	ale academic staff	topic: sub-section: Faculty member category:	CUDO database H. Instructional Faculty and Class Size H1. Number of Instructional Faculty Members (Excluding Clinicians) in Each Category
fema	ale academic staff	topic: sub-section: Faculty member category: degree-level:	CUDO database H. Instructional Faculty and Class Size H1. Number of Instructional Faculty Members (Excluding Clinicians) in Each Category [Total number who are women]
fema	ale academic staff	topic: sub-section: Faculty member category: degree-level: full-time/part-time:	CUDO database H. Instructional Faculty and Class Size H1. Number of Instructional Faculty Members (Excluding Clinicians) in Each Category [Total number who are women] - [Total FTEs (est)]



		link:	https://cudo.ouac.on.ca/page.php?id=7&table=17#univ=1,2,3,4,5,8,9,11,12,14,15,1 6,17,21,22,23,24,25,27,28,29,30,31,32,33,34,35,42&y=2018&r=1344
		sources consulted:	https://www.ontariocolleges.ca/en/apply/program-types
			http://www.tcu.gov.on.ca/pepg/programs/oqf/ontario-qualifications-framework-
			oct-2018-en.pdf
			https://www.ouac.on.ca/applications/
Q16: Currency and Unit	Currency		
Q17: Revenues	Unit		
	Core budget		
		source:	CUDO database
		topic:	I. University Revenue and expenses
		sub-section:	I1. University Revenue
		revenue type:	[MTCU basic formula grant]
		Revenue category:	
		full-time/part-time:	-
		universities:	[Select all]
		year:	[2016], [2017]
		function:	Core revenues per institution for the calendar year 2016 and 2017
		link:	https://cudo.ouac.on.ca/page.php?id=7&table=19#univ=1,2,3,4,5,8,9,11,12,14,15,1
			6,17,21,22,23,24,25,27,28,29,30,31,32,33,34,35,42&y=2016&r=1358
		sources consulted:	
	Tuition fees from		
	students in degree	source:	CUDO database
	programmes	topic:	I. University Revenue and expenses
		sub-section:	I1. University Revenue



	revenue type:	[Tuition fees]
	Revenue category:	
	full-time/part-time:	-
	universities:	[Select all]
	year:	[2016], [2017]
	function:	Tuition fees per institution for the calendar year 2016 and 2017
	link:	https://cudo.ouac.on.ca/page.php?id=7&table=19#univ=1,2,3,4,5,8,9,11,12,14,15,1
		6,17,21,22,23,24,25,27,28,29,30,31,32,33,34,35,42&y=2016&r=1368
	sources consulted:	
Fees from courses		
organised within the	source:	CUDO database
framework of continuing	topic:	I. University Revenue and expenses
professional development	sub-section:	I1. University Revenue
(CPD)	revenue type:	[Miscellaneous fees]
	Revenue category:	
	full-time/part-time:	-
	universities:	[Select all]
	year:	[2016], [2017]
	function:	Fees from CPD per institution for the calendar year 2016 and 2017
	link:	https://cudo.ouac.on.ca/page.php?id=7&table=19#univ=1,2,3,4,5,8,9,11,12,14,15,1
		6,17,21,22,23,24,25,27,28,29,30,31,32,33,34,35,42&y=2016&r=1369
	sources consulted:	
External revenues from		
research	source:	CUDO database
	topic:	I. University Revenue and expenses
	sub-section:	I1. University Revenue



	revenue type:	[TOTAL]
	Revenue category:	[Subtotal sponsored research]
	full-time/part-time:	-
	universities:	[Select all]
	year:	[2016], [2017]
	function:	External revenues from research per institution for the calendar year 2016 and 2017.
	link:	https://cudo.ouac.on.ca/page.php?id=7&table=19#univ=1,2,3,4,5,8,9,11,12,14,15,16,17,21,22,23,24,25,27,28,29,30,31,32,33,34,35,42&y=2016&r=1377
	sources consulted:	
external revenues from		
	source:	CUDO database
contracts		I. University Revenue and expenses
	sub-section:	I1. University Revenue
	revenue type:	[Donations and non-govt grants & contracts]
	- ' '	[Subtotal sponsored research/ or don't filter]
	full-time/part-time:	-
	universities:	[Select all]
	year:	[2016], [2017]
	function:	External revenues from privately funded research per institution for the calendar year 2016 and 2017
	link:	https://cudo.ouac.on.ca/page.php?id=7&table=19#univ=1,2,3,4,5,8,9,11,12,14,15,16,17,21,22,23,24,25,27,28,29,30,31,32,33,34,35,42&y=2016&r=1371
	sources consulted:	
	I1:	
	external revenues from privately funded research contracts	Revenue category: full-time/part-time: universities: year: function: link: sources consulted: external revenues from privately funded research contracts source: topic: sub-section: revenue type: Revenue category: full-time/part-time: universities: year: function: link: sources consulted:



Q19: Expenditure	Total expenditure	I2: university expenses Total		
		source:	CUDO database	
		topic:	I. University Revenue and expenses	
		sub-section:	I2. University Expenses	
		revenue type:	[TOTAL]	
		Revenue category:		
		full-time/part-time:	-	
		universities:	[Select all]	
		year:	[2016], [2017]	
		function:	Total expenditure per institution for the calendar year 2016 and 2017	
		link:	https://cudo.ouac.on.ca/page.php?id=7&table=20#univ=1,2,3,4,5,8,9,11,12,14,15,1	
			6,17,21,22,23,24,25,27,28,29,30,31,32,33,34,35,42&y=2016&r=1404	
		sources consulted:		