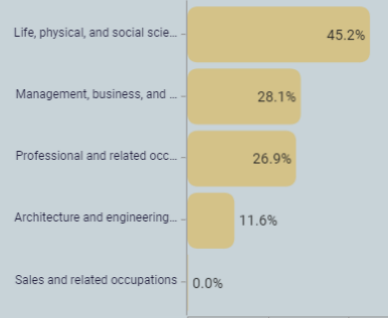
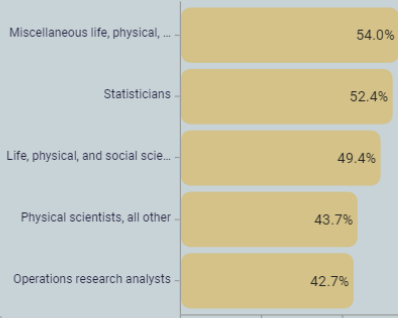


Women in STEM 2019

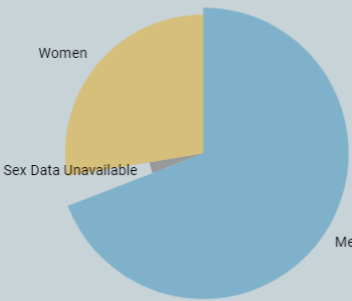
Categories



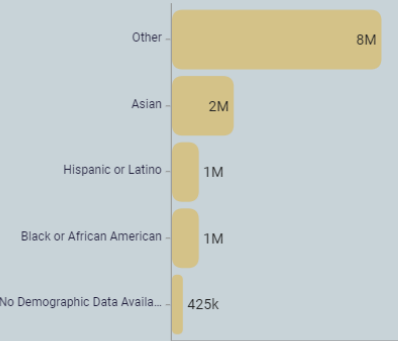
Occupations



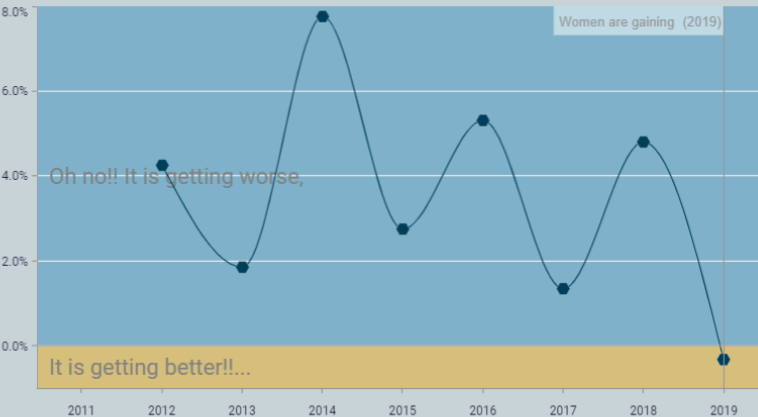
STEM Employees by gender, no surprises compared to total employees



Demographics

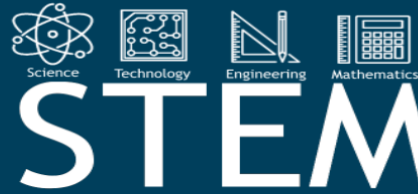


% +/- men and women, is it getting better??



Finally, the year 2019 Women the difference between Men and Women is getting lower

Women in STEM, GoodViz Challenge Astrato Analytics

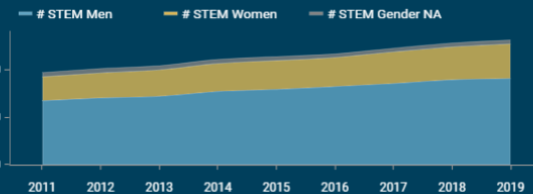
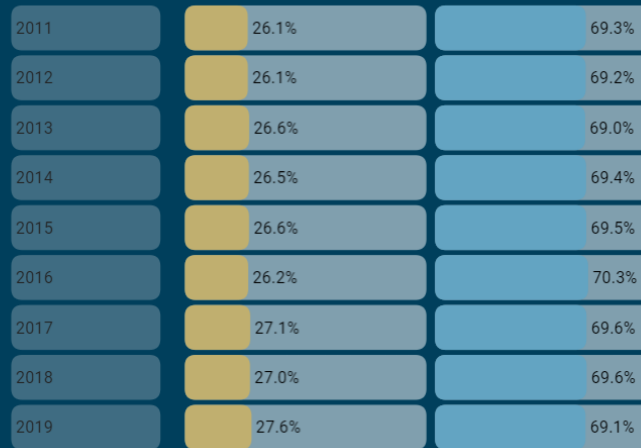


Women



Men

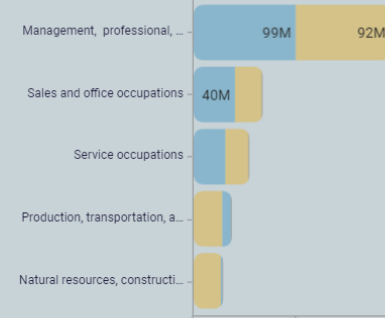
STEM (2019) 3,615,448 9,047,552
% STEM (2019) 27.6% 69.1%
vs. 2018 0.6% -0.5%



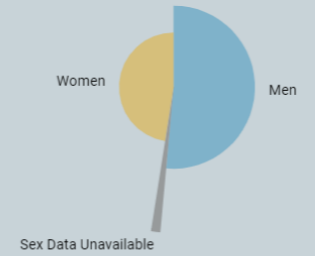
VICTA
BUSINESS INTELLIGENCE

Employees 2019

Categories



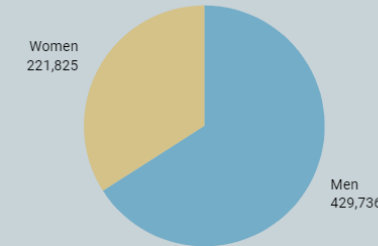
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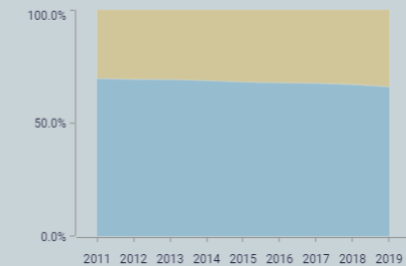
Gender	# Employees Gender	# STEM	% STEM
Men	195,191,152	9,047,552	4.6%
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Students

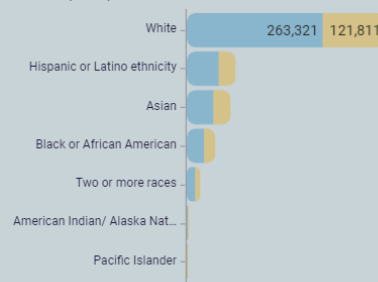
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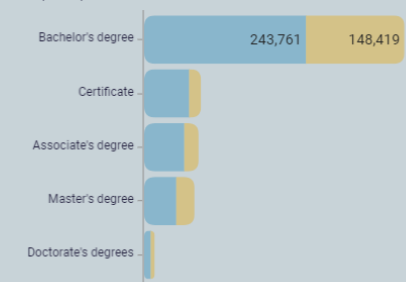
But the % woming is growing from 30.4% in 2011 to 34% in 2019



Students distribution by Demography (2019)



Students distribution by Education level (2019)



Choose STEM Occupation

Computer and mathematical occupations	39,959,000
Life, physical, and social science occupations	12,497,000
Computer and information systems managers	5,545,000
Computer occupations, all other	4,945,000
Computer systems analysts	4,938,000
Computer programmers	4,287,000
Engineers, all other	4,219,000
Civil engineers	3,627,000
Mechanical engineers	2,941,000
Physical scientists, all other	2,044,000
Network and computer systems administrators	1,918,000
Web developers	1,798,000
Miscellaneous life, physical, and social science technicians	1,419,000
Aerospace engineers	1,251,000
Operations research analysts	1,194,000
Computer network architects	1,038,000
Database administrators	934,000
Computer hardware engineers	711,000
Information security analysts	698,000
Chemical engineers	684,000
Statisticians	679,000
Surveying and mapping technicians	620,000
Chemical technicians	618,000
Materials engineers	341,000
Environmental engineers	335,000
Sales engineers	325,000
Petroleum engineers	288,000



THE VIZARDS R US

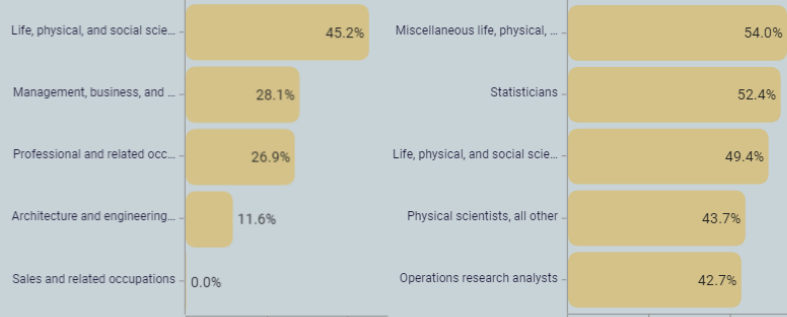
THE GRAPH CHOOSES THE VIZARD

STEM

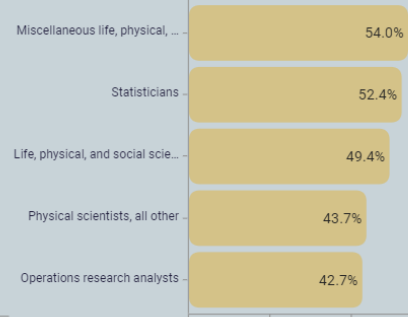
VICTA
BUSINESS INTELLIGENCE

Women in STEM 2019

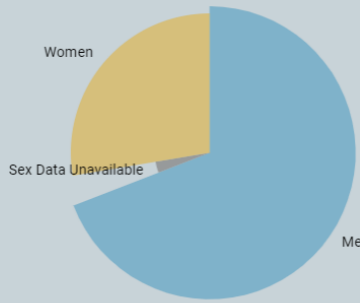
Categories



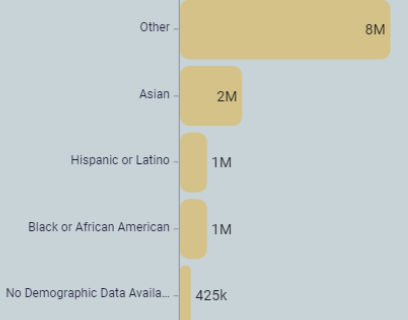
Occupations



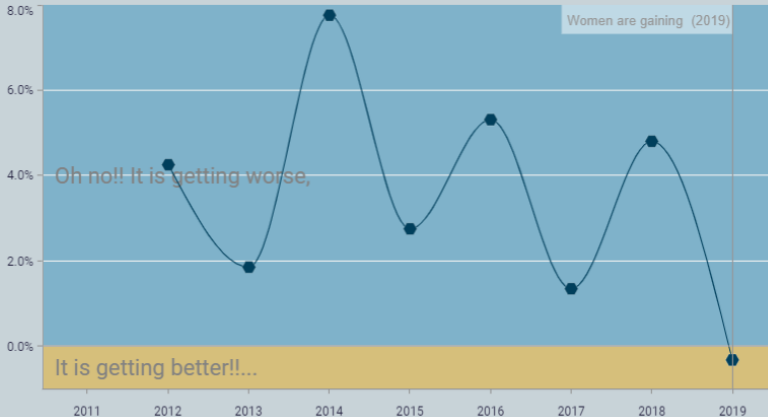
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Demographics



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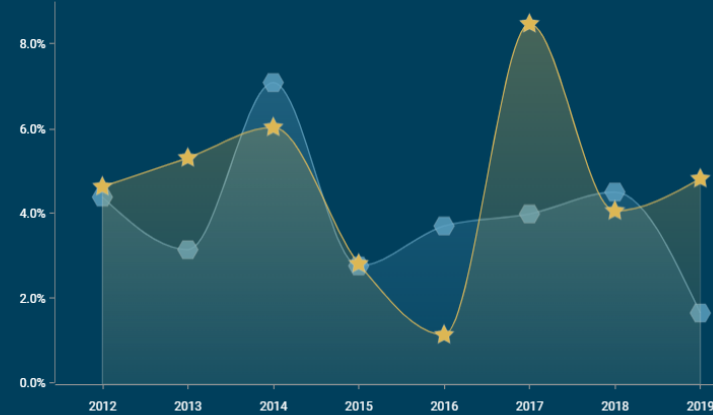
STEM - Details

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Difference men vs. women explained in absolute numbers

YEAR	%	# STEM Women	# STEM Men	# STEM +/- M/W	Diff. LY	Diff.M/W % vs. LY
2011		2,519,642	6,698,358	4,178,716	0	-
2012		2,636,771	6,993,229	4,356,458	4,178,716	4.3%
2013		2,768,897	7,169,103	4,400,206	4,320,162	1.9%
2014		2,936,214	7,677,786	4,741,572	4,400,206	7.8%
2015		3,019,481	7,891,519	4,872,038	4,741,572	2.8%
2016		3,054,616	8,185,384	5,130,768	4,872,038	5.3%
2017		3,313,551	8,513,449	5,199,898	5,130,768	1.3%
2018		3,448,682	8,898,318	5,449,636	5,199,898	4.8%
2019		3,615,448	9,047,552	5,432,104	5,449,636	-0.3%

In 2019 men still increase by 1.7% but compared to 2018 there is a decrease. Women increased by 4.8% and also an increase vs. 2018 (4.5%)



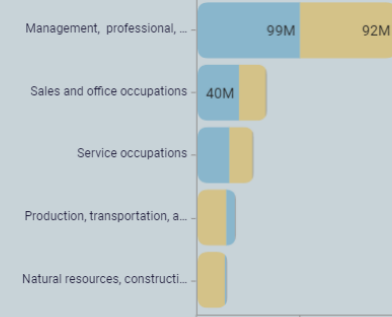
More details?

CLICK HERE

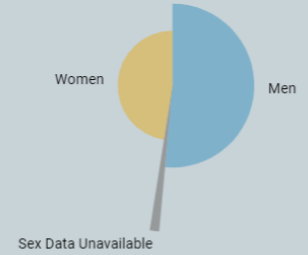
VICTA
BUSINESS INTELLIGENCE

Employees 2019

Categories



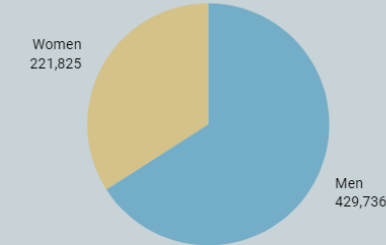
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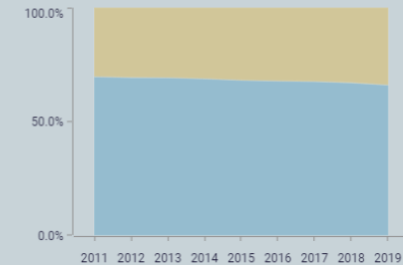
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Students

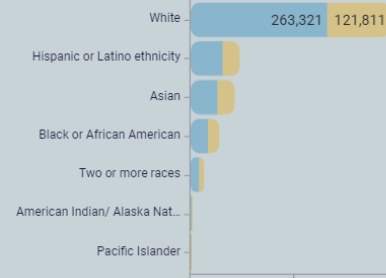
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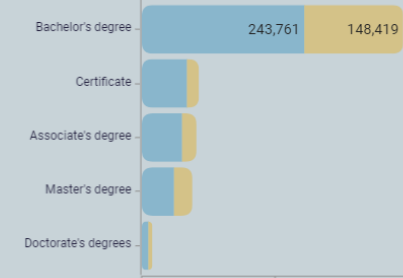
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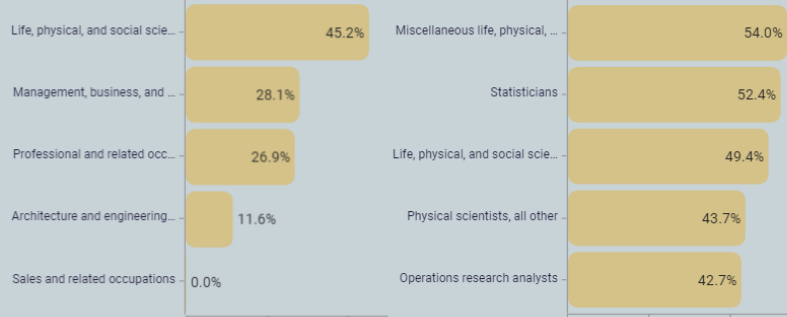


Students distribution by Education level (2019)

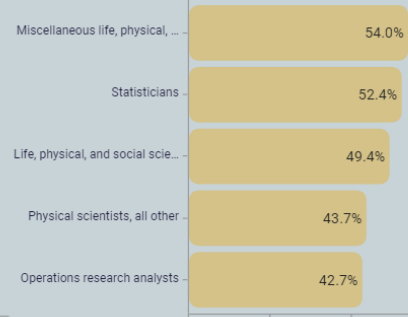


Women in STEM 2019

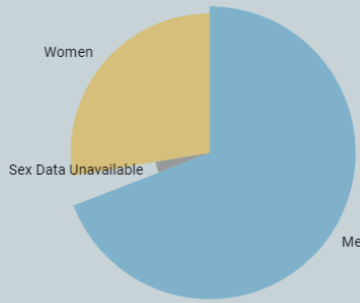
Categories



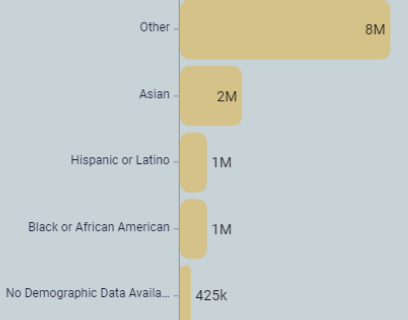
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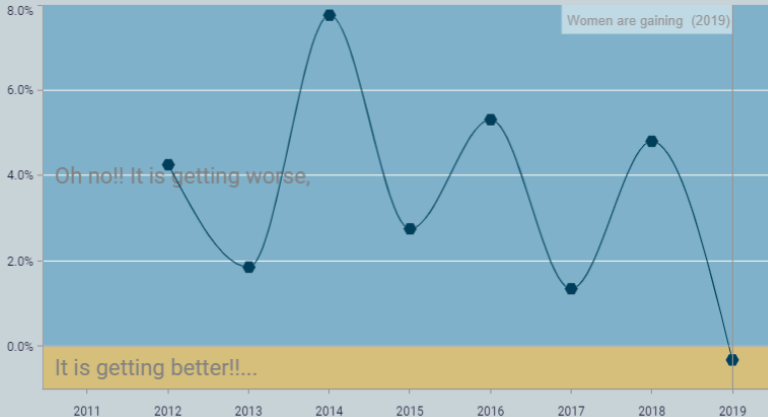
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Demographics



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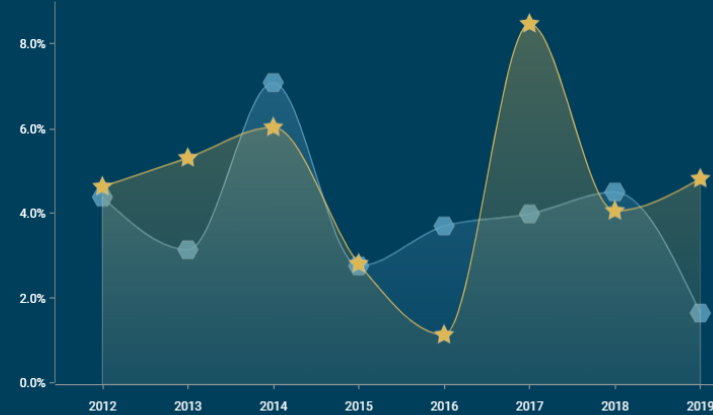
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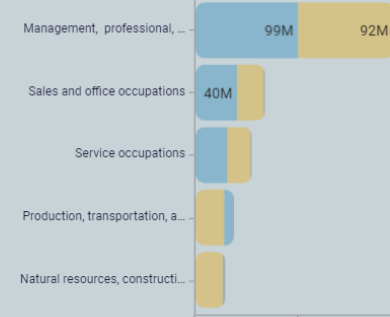
More details?

CLICK HERE

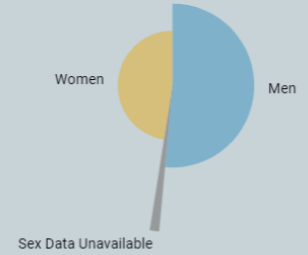
VICTA
BUSINESS INTELLIGENCE

Employees 2019

Categories



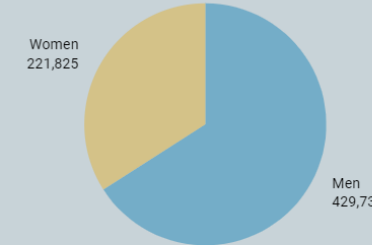
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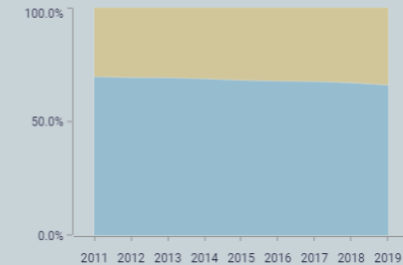
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Students

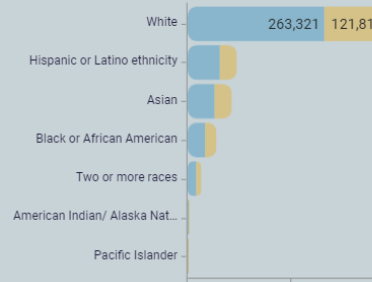
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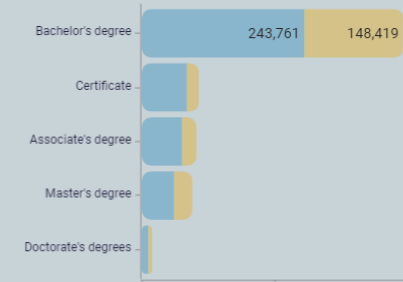
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Students distribution by Demography (2019)

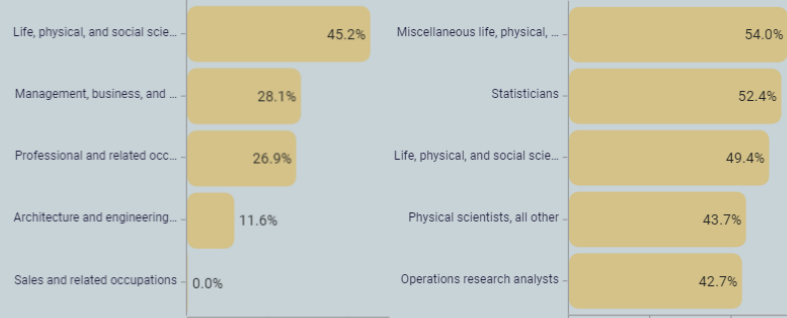


Students distribution by Education level (2019)

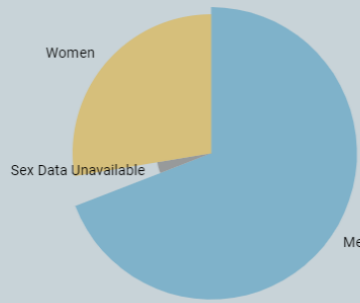


Women in STEM 2019

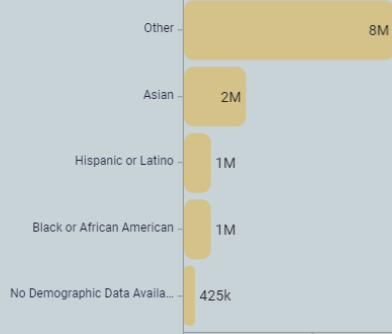
Categories



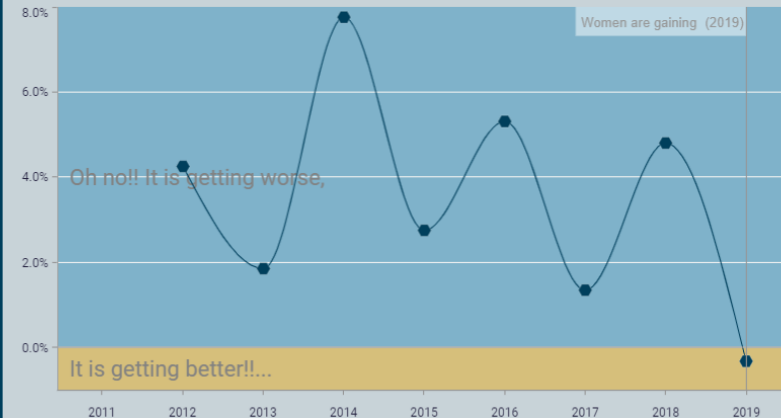
STEM Employees by gender, no surprises compared to total employees



Demographics



% +/- men and women, is it getting better??



Finally, the year 2019 Women the difference between Men and Women is getting lower

Employees - Details

In 2019 47.5% of all employees are Women. There is no significant change comparing to last years.



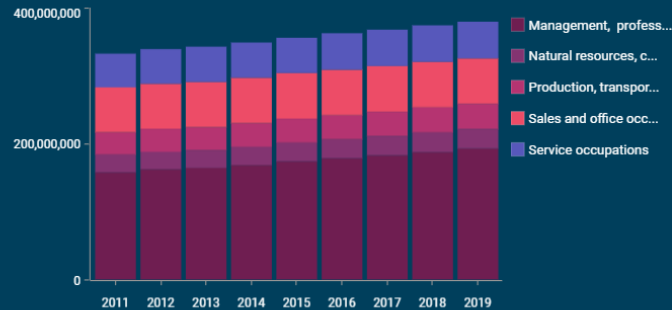
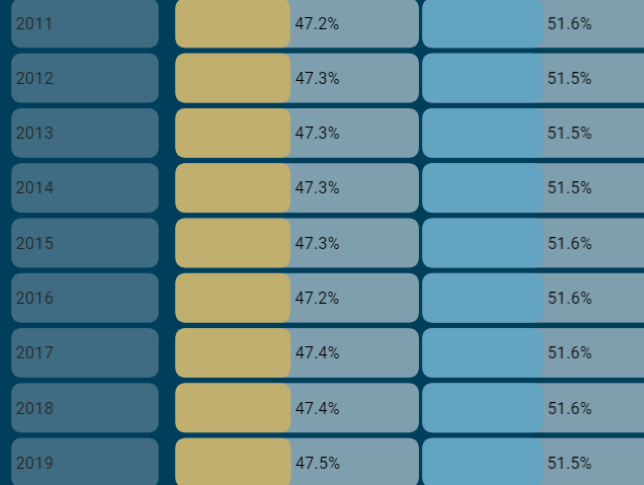
Women



Men

180,205,848

195,191,152



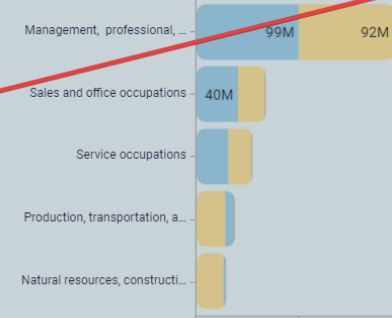
More details?

CLICK HERE

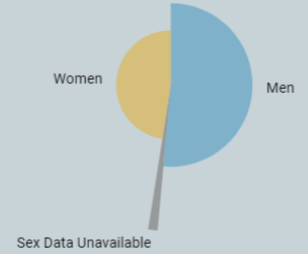
VICTA
BUSINESS INTELLIGENCE

Employees 2019

Categories



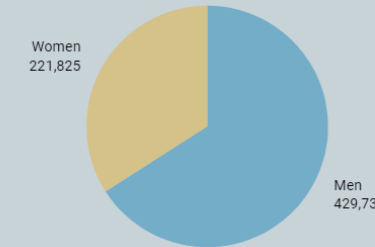
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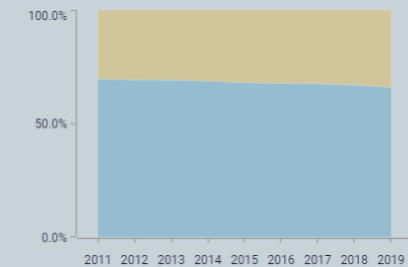
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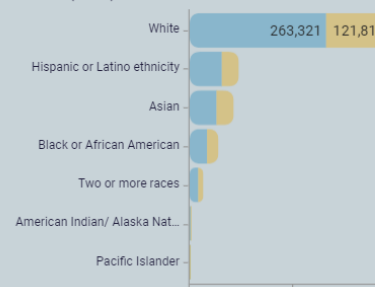
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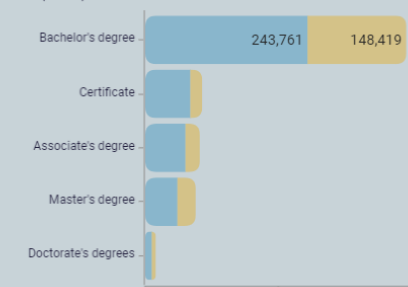
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Students distribution by Demography (2019)



Students distribution by Education level (2019)

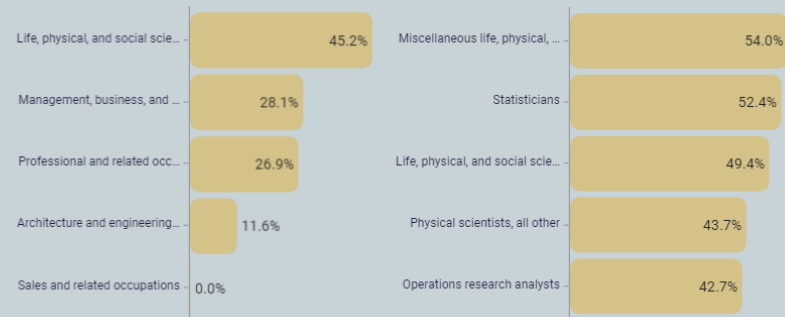


Women in STEM 2019

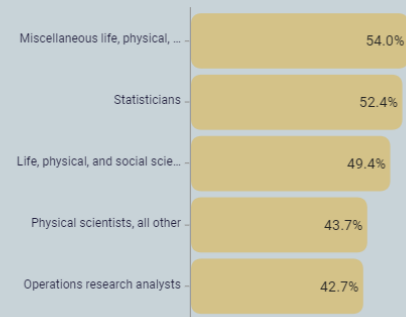
More info

CLICK HERE

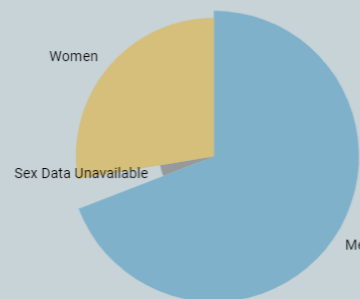
Categories



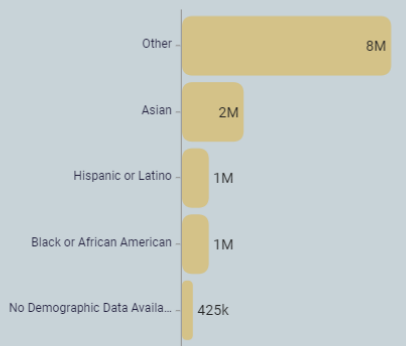
Occupations



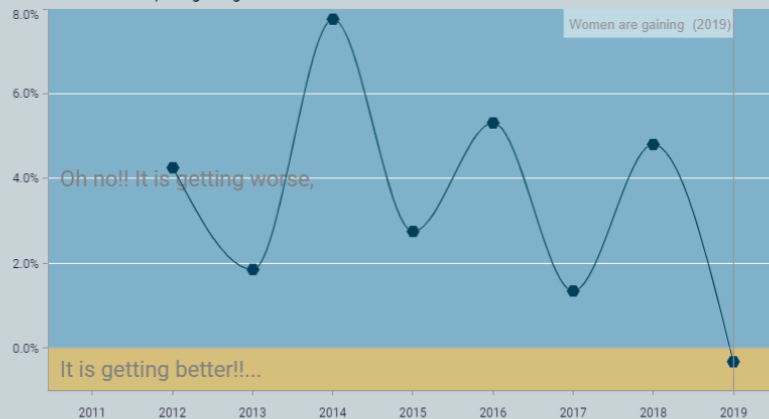
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Demographics



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Student - Details

X

In 2019 34.0% of all students are Women, The percentage is increasing every year, however the STEM program participation is not increasing at the same level.



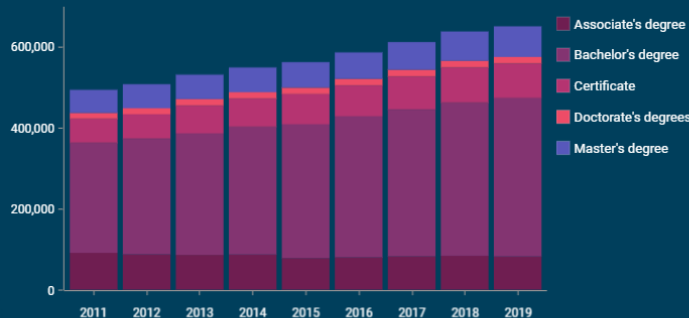
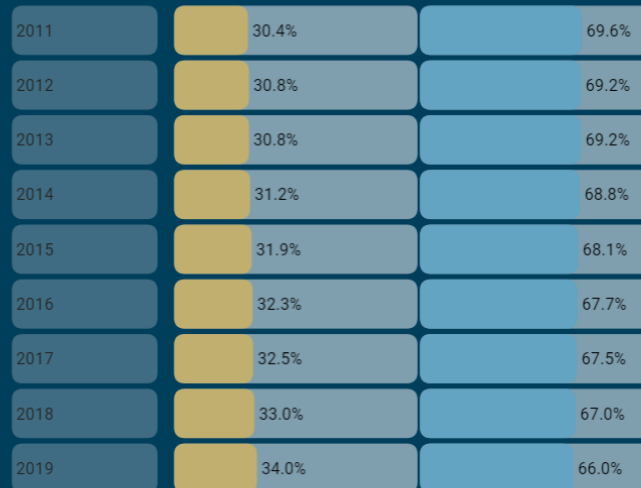
Women



Men

221,825

429,736



More details?

CLICK HERE

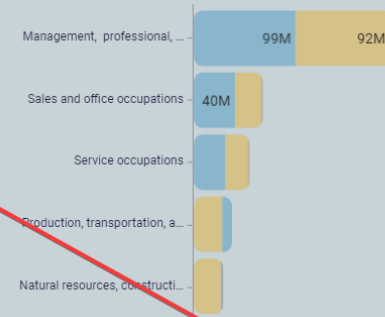
VICTA
BUSINESS INTELLIGENCE

Employees 2019

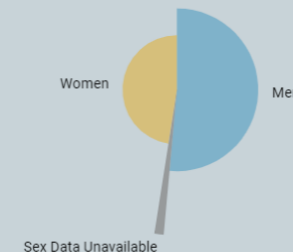
More info

CLICK HERE

Categories



Men have slightly more employees, but the STEM program Share for Women is LOW!



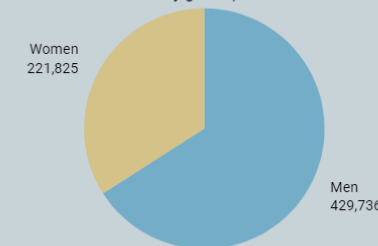
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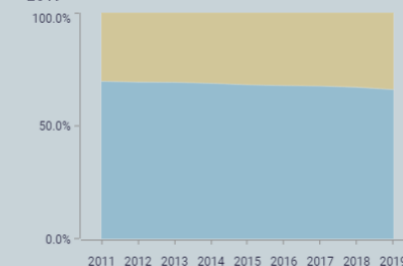
More info

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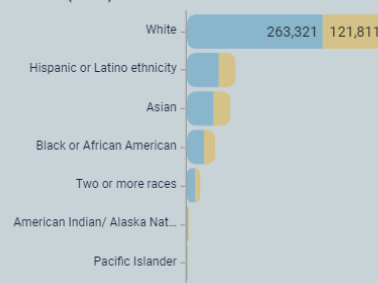
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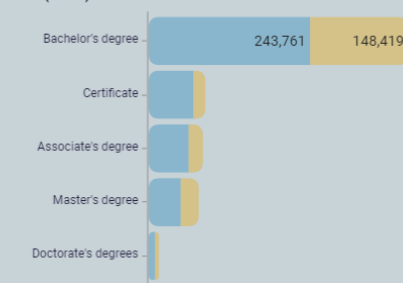
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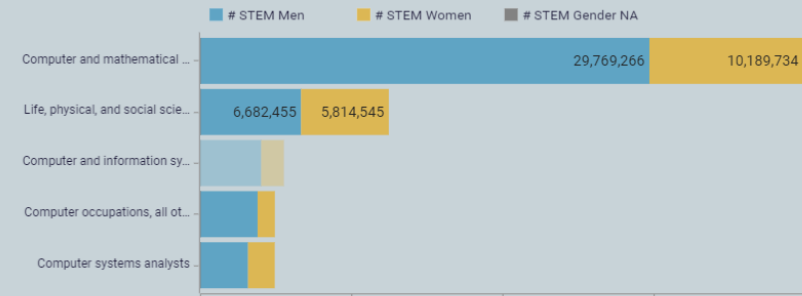
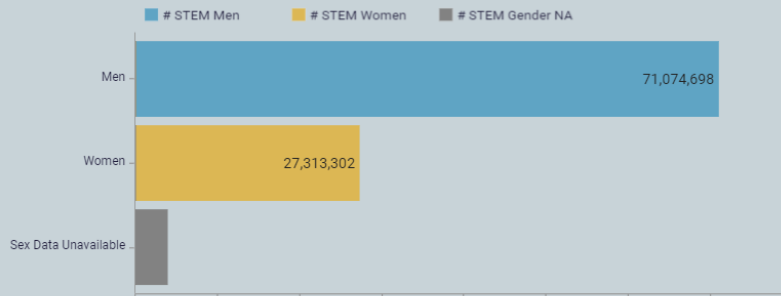
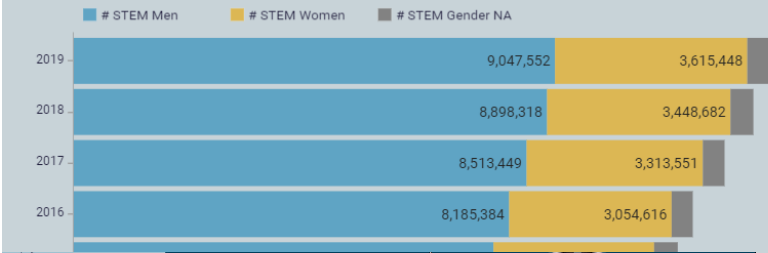


Students distribution by Demography (2019)



Students distribution by Education level (2019)





CLICK HERE

54.0%

52.4%

49.4%

43.7%

42.7%

8M

2M

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ik

n are gaining (2019)

2018

2019

ing lower

STEM

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2011	2,519,642	6,698,358	4.1%
2012	2,636,771	6,993,229	4.3%
2013	2,768,897	7,169,103	4.3%
2014	2,936,214	7,677,786	4.3%
2015	3,019,481	7,891,519	4.3%
2016	3,054,616	8,185,384	4.3%
2017	3,313,551	8,513,449	4.3%
2018	3,448,682	8,898,318	4.8%
2019	3,615,448	9,047,552	-0.3%

In 2019 men still increase by 1.7% but compared to 2018 there is a decrease. Women increased by 4.8% and also an increase vs. 2018 (4.5%)

More details?

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VICTA BUSINESS INTELLIGENCE

% STEM +/- Women vs. LY	Rank on Employment list	+/- 2019	# STEM Men	% STEM Men	# STEM +/- Men vs. LY	% STEM Men +/- vs. LY	Rank on Employment list 2019	+/- 2019	% STEM +/- Men vs. Women
15.7%	27	-1	29,769,266	74.5%	3,971,184	15.4%	10	0	15.2%
14.4%	41	-1	6,682,455	53.5%	751,410	12.7%	46	3	2.1%
17.7%	90	-4	3,168,713	64.2%	397,137	14.3%	84	3	10.4%
14.2%	116	-1	4,037,169	72.8%	466,302	13.1%	73	-3	12.4%
20.1%	113	-8	3,803,643	76.9%	617,312	19.4%	60	-4	19.1%
11.1%	173	14	3,362,454	78.4%	361,838	12.1%	91	5	12.4%
17.9%	145	7	1,186,140	58.0%	167,774	16.5%	134	3	12.9%
13.0%	183	-12	707,817	49.9%	69,920	11.0%	223	16	-138.3%
14.2%	188	-14	1,158,192	64.4%	113,098	10.8%	181	27	6.8%
12.0%	210	2	588,545	49.3%	87,096	17.4%	204	-28	-56.8%
17.2%	184	-8	3,668,692	87.0%	501,102	15.8%	71	1	15.6%
15.5%	207	3	3,135,479	86.4%	408,975	15.0%	81	-2	14.9%
14.9%	230	-21	1,517,279	79.1%	147,061	10.7%	151	14	9.3%
10.3%	265	13	591,320	63.3%	73,988	14.3%	217	-12	20.3%
21.6%	227	-10	296,865	43.7%	48,076	19.3%	281	-10	-135.5%
11.7%	280	19	2,719,802	92.5%	327,834	13.7%	96	-5	13.9%
9.0%	295	0	408,747	66.1%	38,752	10.5%	295	28	12.1%
14.5%	288	-1	1,104,838	88.3%	115,508	11.7%	178	12	11.3%
22.2%	284	4	485,010	60.6%	147,773	12.7%	101	27	47.0%