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Using Excel/Google Sheets filtering, function, pivot table and charting capabilities, answer the following questions:

- 1: Which classes are surveyed in each survey?
- 2: How many students responded to the survey from each class?
- 3: What are the gender percentages from each survey category?
- 4: What is the racial/ethnic diversity from each category? (Hint: for those students selecting more than one race/ethnicity, assign multi-racial to their category).
- 5: The age of all the participants.
- 6: How interested are the participants, in percents?

1 and 2 Classes and number of students in class: Computer Literacy 2020

<i>Which course are you currently enrolled in?</i>	<i>Gender</i>	<i>COUNTA of Which course are you currently enrolled in?</i>
CMP 101 Computer Information Literacy	Man	8
	Prefer not to say	3
	Woman	24
CMP 101 Computer Information Literacy Total		35
CMP 126 Computer Technology and Applications		1
	Man	34
	Prefer not to say	1
	Woman	37
CMP 126 Computer Technology and Applications Total		73

CMP 135 Computer Concepts with Applications	I do not identify	1
	Man	31
	Woman	62
CMP 135 Computer Concepts with Applications Total		94
Grand Total		202

Computer Literacy 2021

<i>Which course are you currently enrolled in?</i>	<i>Gender</i>	<i>COUNTA of Which course are you currently enrolled in?</i>
CMP 101 Computer Information Literacy	Man	8
	Prefer not to say	3
	Woman	24
CMP 101 Computer Information Literacy Total		35
CMP 126 Computer Technology and Applications		1
	Man	34
	Prefer not to say	1
	Woman	37
CMP 126 Computer Technology and Applications Total		73
CMP 135 Computer Concepts with Applications	I do not identify	1
	Man	31
	Woman	62
CMP 135 Computer Concepts with Applications Total		94
Grand Total		202

Computing Entry 2020

<i>Which course are you enrolled in?</i>	<i>Gender</i>	<i>COUNTA of Which course are you enrolled in?</i>
CMP 120 Foundations of Information Security	Man	14
	Non-binary	1
	Prefer not to say	2
	Woman	4
CMP 120 Foundations of Information Security Total		21
CMP 128 Computer Science I	I do not identify	1
	Man	117
	Non-binary	1
	Prefer not to say	3
	Woman	40
CMP 128 Computer Science I Total		162
CMP 130 Intro to IT	Man	21
	Woman	4
CMP 130 Intro to IT Total		25
CMP 131 Fundamentals of Programming (Python)	Man	45
	Prefer not to say	5
	Woman	11
CMP 131 Fundamentals of Programming (Python) Total		61
CMP 239 Internet & Web Page Design	Man	22
	Woman	7
CMP 239 Internet & Web Page Design Total		29
Grand Total		298

Computing Entry 2021

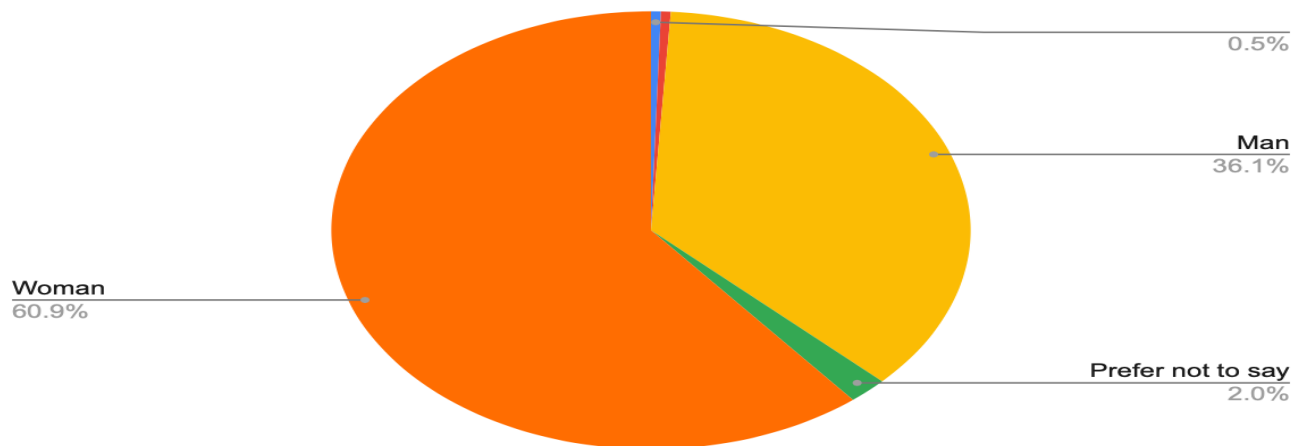
Which course are you enrolled in?	Gender	COUNTA of Which course are you enrolled in?
CMP 120 Foundations of Information Security	Man	13
	Woman	7
CMP 120 Foundations of Information Security Total		20
CMP 128 Computer Science I	I do not identify	1
	Man	114
	Prefer not to say	3
	Woman	29
CMP 128 Computer Science I Total		147
CMP 130 Intro to IT	Man	27
	Prefer not to say	2
CMP 130 Intro to IT Total		29
CMP 131 Fundamentals of Programming (Python)	Man	21
	Woman	3
CMP 131 Fundamentals of Programming (Python) Total		24
CMP 239 Internet & Web Page Design	Man	22
	Woman	3
CMP 239 Internet & Web Page Design Total		25
Grand Total		245

CMP 101 Computer Information Literacy had 35 responses in 2020 and 24 in 2021, CMP 126 Computer Technology and Applications had 73 and 58 responses in 2020 and 2021, and CMP 135 Computer Concepts with Applications had 94 and 40 responses in 2020 and 2021. The Computer Literacy Survey had a total of 202 people responding in the 2020, and 122 responding in the 2021 survey.

CMP 120 Foundations of Information Security had 21 and 20 responses in 2020 and 2021, CMP 128 Computer Science I had 162 and 146 responses in 2020 and 2021, CMP 130 Intro to IT had 25 and 29 responses in 2020 and 2021, CMP 131 Fundamentals of Programming (Python) had 61 and 24 responses in 2020 and 2021, and CMP 239 Internet & Web Page Design had 28 and 25 responses in 2020 and 2021 were the classes surveyed in the 2020 and 2021 Computing Entry Surveys, with 297 people responding in the 2020, and 244 responding in the 2021 survey.

3: Computing Literacy 2020

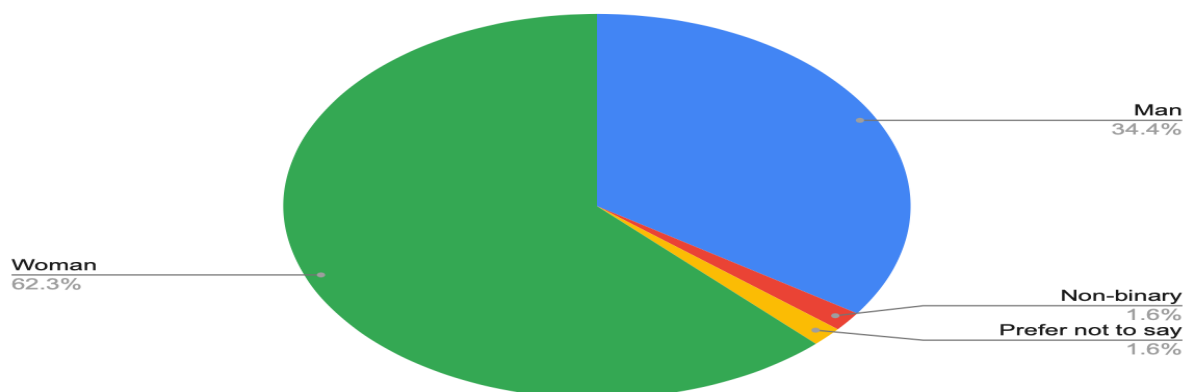
CCM Computing Literacy Course Entry Survey - Fall 2020
Gender %



The 2020 Computer Literacy survey had 0.5% blank applicants, 2.0% Prefer not to say applicants, 36.1% Man applicants, and 60.9% Woman applicants.

Computing Literacy 2021

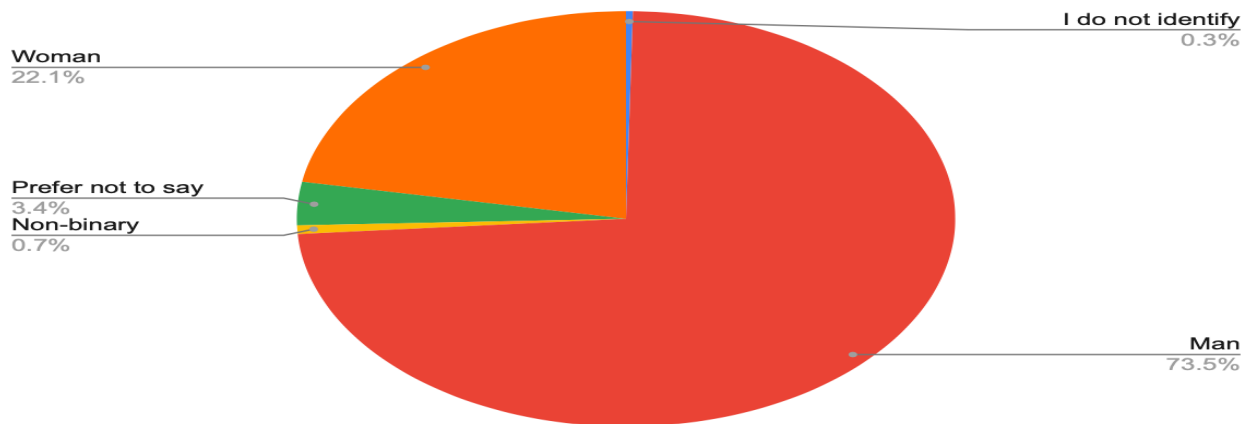
CCM Computing Literacy Course Entry Survey - Fall 2021



The 2021 Computer Literacy survey had 1.6% Non-binary applicants, 1.6% Prefer not to say applicants, 34.4% Man applicants, and 62.3% Woman applicants.

Computing Entry 2020

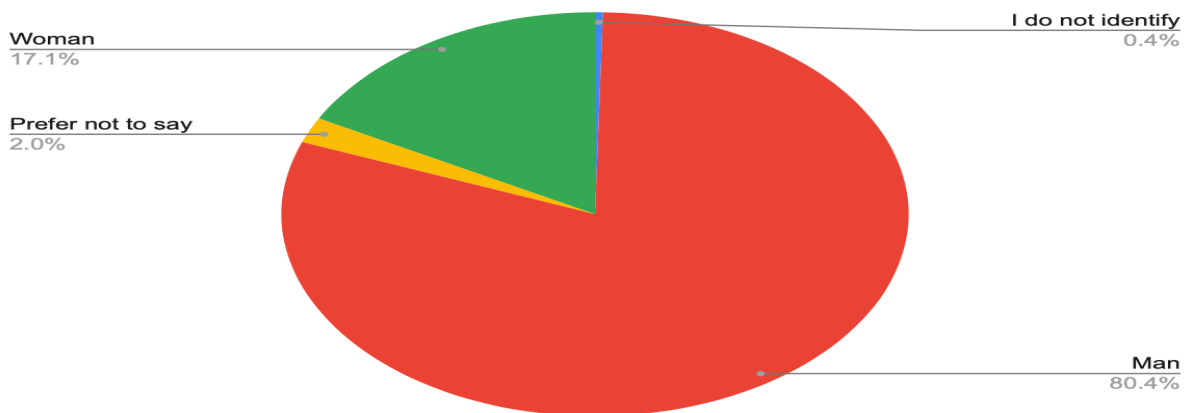
CCM Computing Entry Survey - Fall 2020 (Responses)



The 2020 Computing Entry survey had 0.3% I do not identify applicants, 0.7% Non-Binary applicants, 3.4% Prefer not to say applicants, 22.1% Woman applicants, and 73.5% Man applicants.

Computing Entry 2021

CCM Computing Entry Survey - Fall 2021



The 2021 Computing Entry survey had 0.4% I do not identify applicants, 2.0% Prefer not to say applicants, 17.1% Woman applicants, and 80.4% Man applicants.

4: Computing Literacy 2020

<i>Race/ethnicity</i>	COUNTA of Which course are you currently enrolled in?
Asian	7
Asian, Multi-Racial	1
Asian, White/Caucasian	2
Black/African American	11
Black/African American, White/Caucasian, Multi-Racial	1
Choose not to reply	9
Hispanic or Latino	30
Hispanic or Latino, Black/African American	1
Hispanic or Latino, Multi-Racial	2
Hispanic or Latino, White/Caucasian	5
Multi-Racial	5
White/Caucasian	127
White/Caucasian, Multi-Racial	1

Computing Literacy 2021

<i>Race/ethnicity</i>	COUNTA of Which course are you currently enrolled in?
American Indian/Native American/Alaska Native	1
American Indian/Native American/Alaska Native;White/Caucasian	1
Asian	6
Black/African American	8
Choose not to reply	10

Hispanic or Latino	32
Hispanic or Latino;Asian	1
Hispanic or Latino;Multi-Racial	1
Hispanic or Latino;White/Caucasian	4
Hispanic or Latino;White/Caucasian;Multi-Racial	1
White/Caucasian	57

Computing Entry 2020

<i>Race/ethnicity</i>	COUNTA of Which course are you enrolled in?
American Indian/Native American/Alaska Native	2
Asian	53
Asian, Native Hawaiian/Other Pacific Islander	1
Asian, White/Caucasian	2
Asian, White/Caucasian, Multi-Racial	1
Black/African American	17
Choose not to reply	14
Hispanic or Latino	63
Hispanic or Latino, American Indian/Native American/Alaska Native, White/Caucasian, Multi-Racial	1
Hispanic or Latino, Black/African American	1
Hispanic or Latino, Choose not to reply	2
Hispanic or Latino, White/Caucasian	8

Hispanic or Latino, White/Caucasian, Multi-Racial	2
Multi-Racial	4
White/Caucasian	127

Computing Entry 2021

<i>Race/ethnicity</i>	COUNTA of Which course are you enrolled in?
American Indian/Native American/Alaska Native	2
Asian	29
Asian, White/Caucasian	2
Black/African American	9
Black/African American, Multi-Racial	1
Choose not to reply	12
Hispanic or Latino	46
Hispanic or Latino, Asian, Multi-Racial	1
Hispanic or Latino, Black/African American	1
Hispanic or Latino, Black/African American, White/Caucasian, Multi-Racial	1
Hispanic or Latino, Multi-Racial	3
Hispanic or Latino, Native Hawaiian/Other Pacific Islander	1
Hispanic or Latino, White/Caucasian	4
Multi-Racial	1
White/Caucasian	131
White/Caucasian, Multi-Racial	1

The races used in the surveys are, White/Caucasian, Black/African American, Hispanic or Latino, Native Hawaiian/Other Pacific Islander, Asian, American Indian/Native American/Alaska Native, Multi-Racial, and choose not to specify.

5: Computing Literacy Course Entry Survey - Fall 2020 (Responses)

Age	COUNTA of Which course are you currently enrolled in?
18 and younger	26
19-20	94
21-24	49
25-34	22
35-64	10
65+	1

Computing Literacy Course Entry Survey - Fall 2021

Age	COUNTA of Which course are you currently enrolled in?
18 and younger	17
19-20	53
21-24	21
25-34	18
35-64	11
65+	2

Computing Entry Survey - Fall 2020

Age	COUNTA of Age
18 and younger	101
19-20	88
21-24	53
25-34	43
35-64	12
65+	1

Computing Entry Survey - Fall 2021

Age	COUNTA of Age
18 and younger	101

19-20	90
21-24	25
25-34	15
35-64	14

The Computing Literacy 2020, 2021 and the Computing Entry 2020 all have the same range. 18 and younger, 19-20, 21-24, 25-34, 35-64, and 65+, while Computing Entry 2021 excludes 65+.

6: Computer Literacy 2020

<i>On a scale of 1 to 5, with 1 being not at all interested and 5 being extremely interested, how interested are you taking more courses in Computer Science, Information Technology or Game Development?</i>	COUNTA of On a scale of 1 to 5, with 1 being not at all interested and 5 being extremely interested, how interested are you taking more courses in Computer Science, Information Technology or Game Development?	COUNTA of On a scale of 1 to 5, with 1 being not at all interested and 5 being extremely interested, how interested are you taking more courses in Computer Science, Information Technology or Game Development?
1	23.27%	47
2	29.21%	59
3	29.70%	60
4	11.88%	24
5	5.94%	12
Grand Total	100.00%	202

23.27% have an interest of 1, 29.21% have an interest of 2, 29.70% have an interest of 3, 11.88% have an interest of 4, while 5.94% have an interest of 5.

Computer Literacy 2021

<i>On a scale of 1 to 5, with 1 being not at all interested and 5 being extremely interested, how interested are you taking more courses in Computer Science, Information Technology or Game Development?</i>	COUNTA of On a scale of 1 to 5, with 1 being not at all interested and 5 being extremely interested, how interested are you taking more courses in Computer Science, Information Technology or Game Development?	COUNTA of On a scale of 1 to 5, with 1 being not at all interested and 5 being extremely interested, how interested are you taking more courses in Computer Science, Information Technology or Game Development?
1	17.21%	21
2	23.77%	29
3	36.07%	44
4	12.30%	15
5	10.66%	13
Grand Total	100.00%	122

17.21% have an interest of 1, 23.77% have an interest of 2, 36.07% have an interest of 3, 12.30% have an interest of 4, while 10.66% have an interest of 5.

Computing Entry 2020

<i>On a scale of 1 to 5, with 1 being not at all interested and 5 being extremely interested, how interested are you in taking more computing classes?</i>	COUNTA of On a scale of 1 to 5, with 1 being not at all interested and 5 being extremely interested, how interested are you in taking more computing classes?	COUNTA of On a scale of 1 to 5, with 1 being not at all interested and 5 being extremely interested, how interested are you in taking more computing classes?
	0.00%	0
1	8.89%	8
2	7.78%	7
3	37.78%	34
4	25.56%	23
5	20.00%	18
Grand Total	100.00%	90

8.89% have an interest of 1, 7.78% have an interest of 2, 37.78% have an interest of 3, 25.56% have an interest of 4, while 20.00% have an interest of 5. Not all participants answered the question, so the total answers is below the amount of people who took the survey.

Computing Entry 2021

<i>On a scale of 1 to 5, with 1 being not at all interested and 5 being extremely interested, how interested are you in taking more computing classes?</i>	COUNTA of On a scale of 1 to 5, with 1 being not at all interested and 5 being extremely interested, how interested are you in taking more computing classes?	COUNTA of On a scale of 1 to 5, with 1 being not at all interested and 5 being extremely interested, how interested are you in taking more computing classes?
	0.00%	0
1	1.47%	1
2	10.29%	7
3	33.82%	23
4	30.88%	21
5	23.53%	16
Grand Total	100.00%	68

1.47% have an interest of 1, 10.29% have an interest of 2, 33.82% have an interest of 3, 30.88% have an interest of 4, while 23.53% have an interest of 5. Not all participants answered the question, so the total answers is below the amount of people who took the survey.