

Percentages

Calculating percentages will be easier than the frequencies.

- Highlight the cell across from the first scale value, 5, with its associated frequency, 1, which is D24.
- In the row above the column letter labels, next to f_x type:
= C24/19 which is: equal sign, space, C24 the first frequency cell that you want a percentage for, / for divided by, the “count” value calculated in step 1 above which is 19 in my case. Then hit enter.
- Highlight the percentage that was just calculated by left clicking and then copy or go to edit and then copy. That cell will have flashing dashes around it. Then highlight the rest of the cells where you want the rest of the percentages placed and copy the flashing cell into the other cell places.
- Decimal values will appear which you can report as percentages.
- In these instructions and in the Excel file, I only calculate frequencies and percentages for one variable.

The screenshot shows an Excel spreadsheet with the following data:

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
10	9	4	4	2	4	3	2	4	10	East India	1	6	4	2	2	
11	10	5	5	4	4	4	5	5	3		1	3	3	1	1	
12	11	2	3	4	4	4	4	2	3		2	2	1	1	1	
13	12	3	3	3	3	3	3	3	6		1	4	3	1	1	
14	13	1	2	3	4	3	2	1	5		1	1	3	1	1	
15	14	4	4	5	5	4	5	3	3		2	4	5	2	1	
16	15	4	4	4	4	4	4	4	7	Chumash	1	2	3	1	1	
17	16	3	4	5	3	4	3	3	3		1	4	5	2	1	
18	17	2	2	1	1	3	3	4	3		1	2	3	1	1	
19	18	2	2			3	3	1	8				3	1	1	
20	19								10	Decline to state				1	1	
21	20	4	4	4	3	3	4	3	8		2	3	2	1	1	
22																
23																
24		5	1													
25		4	7													
26		3	5													
27		2	5													
28		1	1													
29			0													
30																
31																
32																

The formula bar shows: `= C24/19`

The clipboard pane shows: `= C24/19`

The spreadsheet title is: ERA 244 Module 4 Data Set w stats.xlsx

The status bar shows: Input sheet / data set / N / means / standard deviations / frequencies / percentages / graphs / Indep t-test

Microsoft Excel

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T.TEST $f_x = C24/19$

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ERA 244 Module 4 Data Set w stats.xlsx

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
10	9	4	4	2	4	3	2	4	10	East India	1	6	4	2	2	
11	10	5	5	4	4	4	5	5	3		1	3	3	1	1	
12	11	2	3	4	4	4	4	2	3		2	2	1	1	1	
13	12	3	3	3	3	3	3	3	6		1	4	3	1	1	
14	13	1	2	3	4	3	2	1	5		1	1	3	1	1	
15	14	4	4	5	5	4	5	3	3		2	4	5	2	1	
16	15	4	4	4	4	4	4	4	7	Chumash	1	2	3	1	1	
17	16	3	4	5	3	4	3	3	3		1	4	5	2	1	
18	17	2	2	1	1	3	3	4	3		1	2	3	1	1	
19	18	2	2			3	3	1	8				3	1	1	
20	19								10	Decline to state				1	1	
21	20	4	4	4	3	3	4	3	8		2	3	2	1	1	
22																
23		Scale	The quality of my high school science classees was very good.													
24		5		1	$= C24/19$											
25		4		7												
26		3		5												
27		2		5												
28		1		1												
29				0												
30																
31																
32																

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D24 $f_x = C24/19$

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ERA 244 Module 4 Data Set w stats.xlsx

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
10	9	4	4	2	4	3	2	4	10	East India	1	6	4	2	2	
11	10	5	5	4	4	4	5	5	3		1	3	3	1	1	
12	11	2	3	4	4	4	4	2	3		2	2	1	1	1	
13	12	3	3	3	3	3	3	3	6		1	4	3	1	1	
14	13	1	2	3	4	3	2	1	5		1	1	3	1	1	
15	14	4	4	5	5	4	5	3	3		2	4	5	2	1	
16	15	4	4	4	4	4	4	4	7	Chumash	1	2	3	1	1	
17	16	3	4	5	3	4	3	3	3		1	4	5	2	1	
18	17	2	2	1	1	3	3	4	3		1	2	3	1	1	
19	18	2	2			3	3	1	8				3	1	1	
20	19								10	Decline to state				1	1	
21	20	4	4	4	3	3	4	3	8		2	3	2	1	1	
22																
23		Scale	The quality of my high school science classees was very good.													
24		5		1	0.052632											
25		4		7												
26		3		5												
27		2		5												
28		1		1												
29				0												
30																
31																
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	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
10	9	4	4	2	4	3	2	4	10	East India	1	6	4	2	2	
11	10	5	5	4	4	4	5	5	3		1	3	3	1	1	
12	11	2	3	4	4	4	4	2	3		2	2	1	1	1	
13	12	3	3	3	3	3	3	3	6		1	4	3	1	1	
14	13	1	2	3	4	3	2	1	5		1	1	3	1	1	
15	14	4	4	5	5	4	5	3	3		2	4	5	2	1	
16	15	4	4	4	4	4	4	4	7	Chumash	1	2	3	1	1	
17	16	3	4	5	3	4	3	3	3		1	4	5	2	1	
18	17	2	2	1	1	3	3	4	3		1	2	3	1	1	
19	18	2	2			3	3	1	8				3	1	1	
20	19								10	Decline to state				1	1	
21	20	4	4	4	3	3	4	3	8		2	3	2	1	1	
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24		5	1	0.052632												
25		4	7													
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11	10	5	5	4	4	4	5	5	3		1	3	3	1	1	
12	11	2	3	4	4	4	4	2	3		2	2	1	1	1	
13	12	3	3	3	3	3	3	3	6		1	4	3	1	1	
14	13	1	2	3	4	3	2	1	5		1	1	3	1	1	
15	14	4	4	5	5	4	5	3	3		2	4	5	2	1	
16	15	4	4	4	4	4	4	4	7	Chumash	1	2	3	1	1	
17	16	3	4	5	3	4	3	3	3		1	4	5	2	1	
18	17	2	2	1	1	3	3	4	3		1	2	3	1	1	
19	18	2	2			3	3	1	8				3	1	1	
20	19								10	Decline to state				1	1	
21	20	4	4	4	3	3	4	3	8		2	3	2	1	1	
22																
23		Scale														
24		5	1	0.052632												
25		4	7	0.368421												
26		3	5	0.263158												
27		2	5	0.263158												
28		1	1	0.052632												
29			0	0												
30																
31																
32																

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Average: 0.189473684 Count: 5 Sum: 0.947368421

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