Stat 8801: Case Study 7
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Critique: There was very little we liked about the two existing tables. All of the '%' signs should be removed. All of the entries should be rounded to two significant digits. The plus/minus grade columns aren't needed; the three columns for the B's, for example, could be combined into a single column for all B grades. It is very difficult to tell what the change in grade percentages are for a particular college between the two given academic years. It is also very difficult to figure out which colleges have had the greatest grade inflation in this period and which colleges give out the highest percentages for a particular grade. So some kind of ranking of the colleges would be helpful.

We could get by with just a single table. The first table below is an example. The title of the table lets us know that all of the numbers we see in the cells are percentages. The "footnote" to the table tells us what the values in the parentheses mean. If we were to use just one table, the title below (for the first table) should be changed to something like: "Changes in Grade Percentages by College: 1999-2000 vs. 2008-2009". The second table below is included to give us a sense of which colleges in 2008-2009 gave out the most A's. The rows in the second table are also ordered from highest to lowest in terms of percentage of A's given. Using the information in both tables below, one can readily see that the worst grade inflation has occurred in the School of Nursing and the School of Public Health.

Grade Percentages by College, 1999 - 2000*

College	A	B	C	D	F
Education & Human Development	71 (0)	21 (-1)	5 (1)	1 (0)	2 (0)
School of Nursing	68 (14)	28 (-12)	2 (-1)	0 (0)	2 (-1)
Humphrey Institute	64 (7)	33 (-8)	2 (1)	0 (0)	1 (0)
Continuing Education	61 (-5)	28 (4)	7 (1)	1 (0)	3 (0)
School of Public Health	60 (16)	31 (-12)	7 (-3)	1 (-1)	1 (0)
School of Dentistry	55 (8)	35 (-4)	9 (-4)	0 (0)	0 (0)
Pharmacy	55 (13)	34 (-9)	9 (-4)	2 (-1)	0 (0)
Veterinary Medicine	55 (-6)	34 (6)	10 (0)	1 (0)	0 (0)
Carlson School of Management	54 (-3)	36 (5)	8 (-1)	1 (-1)	1 (-1)
Medical School	54 (-8)	19 (5)	11 (-2)	2 (0)	1 (1)
College of Design	45 (3)	41 (2)	10 (-3)	2 (-1)	3 (-2)
Liberal Arts	44 (9)	35 (-2)	14 (-4)	3 (-1)	5 (-2)
Food, Agriculture, . . . Sciences	42 (8)	38 (-3)	14 (-3)	3 (-1)	3 (-2)
Institute of Technology	32 (4)	34 (2)	24 (-3)	5 (-2)	6 (-2)
Biological Sciences	30 (10)	31 (3)	28 (-7)	6 (-3)	5 (-2)

* Value in parentheses is change in grade percentage between 2008-2009 and 1999-2000. A positive value means that the grade percentage has increased for 2008-2009. Colleges have been ordered from highest to lowest in terms of percentage of A's given. For all colleges except the Medical School, the percentages add up to 100; for the Medical School the percentages add up to only 87% in 1999-2000 and 84% in 2008-2009. The disparity may be due to the use of W's and Incompletes.

Grade Percentages by College, 2008 - 2009

College	A	B	C	D	F
School of Nursing	82 (14)	16 (-12)	1 (-1)	0 (0)	0 (-1)
School of Public Health	75 (16)	19 (-12)	4 (-3)	1 (-1)	1 (0)
Education & Human Development	71 (0)	20 (-1)	6 (1)	1 (0)	2 (0)
Humphrey Institute	71 (7)	26 (-8)	3 (1)	0 (0)	0 (0)
Pharmacy	68 (13)	25 (-9)	5 (-4)	1 (-1)	1 (0)
School of Dentistry	63 (8)	31 (-4)	6 (-4)	0 (0)	0 (0)
Continuing Education	56 (-5)	32 (4)	7 (1)	1 (0)	3 (0)
Liberal Arts	52 (9)	33 (-2)	10 (-4)	2 (-1)	3 (-2)
Carlson School of Management	51 (-3)	42 (5)	6 (-1)	0 (-1)	1 (-1)
Food, Agriculture, . . . Sciences	50 (8)	35 (-3)	11 (-3)	2 (-1)	2 (-2)
Veterinary Medicine	49 (-6)	39 (6)	10 (0)	1 (0)	0 (0)
College of Design	48 (3)	43 (2)	7 (-3)	1 (-1)	1 (-2)
Medical School	47 (-8)	24 (5)	9 (-2)	2 (0)	2 (1)
Biological Sciences	40 (10)	35 (3)	20 (-7)	3 (-3)	3 (-2)
Institute of Technology	36 (4)	36 (2)	22 (-3)	3 (-2)	4 (-2)