COMM 205
MIDTERM REVIEW SESSION SOLUTIONS

By KEVIN DHIR

AND, OR

	A	B	C	D	E	F	G
1	Grade	Specialization	AND	OR	NESTED IF-AND		
2	98	BUCS	TRUE	TRUE	You are a BUCS genius!		
3	94	Accounting	FALSE	TRUE	You didn't meet the criteria		
4	91	BUCS	TRUE	TRUE	You are a BUCS genius!		
5	84	Marketing	FALSE	TRUE	You didn't meet the criteria		
6							

I typed a formula using AND in C2, OR in D2, and a nested AND in E2. I then dragged it down. What three formulas did I use?

=AND(A2>90,B2="BUCS")
=OR(A2>90,A2="Marketing")
=IF(AND(A2>90,B2="BUCS"),"You are a BUCS genius!","You didn't meet the criteria")

COUNTIFS, SUMIFS

	Grade	Specialization	COUNTIFS		SUMIFS		
10	Grade	Specialization	COUNTIFS		SUMIFS		
11	98	BUCS	Total BUCS students:		Total Grade of BUCS students		
12	94	Accounting		2	189		
13	91	BUCS	Grades over 90				
14	84	Marketing		3			

D12 =SUMIFS(A11:A14,B11:B14,"BUCS")

C14 =COUNTIFS(A11:A14,">90")

CMP

VLOOKUP

	A	B	C
1		**Mark on Test**	**Bank Account Balance**
2	Stan	3.1	444
3	Natalie	4.6	555
4	Arnold	1.3	666
5	Katherine	4.1	777
6	Evan	5	888
7	Stanley	7	999

Write a VLOOKUP function to get Stanley's Bank Account Balance.

=VLOOKUP("Stanley",$A$2:$C$7,3,FALSE)

Write a VLOOKUP function to get Evan's Mark on Test.

=VLOOKUP("Evan",$A$2:$C$7,2,FALSE)

Write a VLOOKUP function to get the name of the student with balance of 888.

TRICK QUESTION! Cannot be done with VLOOKUP. VLOOKUP searches in the first column and returns relative to that. You cannot return a "-3" column.

Why should you NOT use column B as your lookup table?

Not sorted. Can be problematic.

EXTRA: Write the string "SNAKES" in cell A8 using LEFT/RIGHT/CONCAT/MID

=LEFT(A2,1)&LEFT(A3,1)& LEFT(A4,1)& LEFT(A5,1)&LEFT(A6,1)+&LEFT(A7,1)

CMP

LEN, TRIM, SUBSTITUTE, REPLACE

KEVIN	9
KEVIN	5

WHY WOULD THIS HAPPEN!? THEY BOTH SAY KEVIN!

Could potentially have spaces after the string. You wouldn't be asked this, but it's important to know that BLANK SPACES count as characters, so don't mash that space bar.

	A	B	C
1	This is string two.		=REPLACE(A1,8,1," not ")

What would be written in C1?

This is not string two.

CMP

EXCEL PRACTICE PROBLEMS

Bob is an aspiring Sauder School of Business Student. He one day dreams of being a billionaire. He is attending a networking event, which has released the following information on its delegates. The actual spreadsheet has 500 values.

	A	B	C
10	NAME	NET WORTH (thousands)	FIELD
11	Peter Wolfman	3000	Tech
12	Edwin Estey	3150	Accounting
13	Gregor Oveisi	2400	Marketing
14	Mehrdad Awad	9500	Finance
15	John Doe	1400	Tech

Bob writes a command to calculate the number of delegates attending who have a net-worth greater than $2 million who are in the Tech field. What formula does he use?
=COUNTIFS(B11:B15,">2000",$C$11:$C$15,"Tech")

Bob really respects these fine gentlemen. He wishes to edit Column A to prefix each name with the string "Mr. ". What formula does he use?
=REPLACE(A11,1,0,"Mr. ")

Bob connected with a fellow named Suge Nathair . He wants to find out what field he is working in. He searches for his name in Column A, and wants the cell he writes the formula in to print out the field he is working in. What formula does he use?
=VLOOKUP("Suge Nathair", $A$11:$A$500, 3, 0)

CMP

STATA PRACTICE PROBLEMS

Generate a new variable which will display the shareholder's equity of each firm. What formula would you use?

firm	asset	liability
A	5	2
B	4	3
C	8	3

gen sh_equity = asset/liability

	airport_name	year	numpasseng~n
1	YXX	2014	.4
2	YAA	2014	1.1
3	YVR	2014	1.8
4	YYJ	214	1200000
5	YGK	2014	.9
6	YXX	2015	.6
7	YAA	2015	.9
8	YVR	2015	1.7
9	YYJ	2015	1.2
10	YGK	2015	1.3

What command would you use to clean outliers from this dataset?
drop if numpassengersinmillions == .
You try to use tab and sum together, and write the command tab airport_name, sum (numberofpassengersinmillions) if year == 2014. Stata keeps giving you an error. How do you fix this?
Move the if statement to before the ,
airport_name if year == 204, sum(numberofpassengersinmillions)

You want to sort the dataset in descending order of number of passengers and from oldest year to newest year. How would you do this?
gsort –numpassengersinmillions -year

CMP