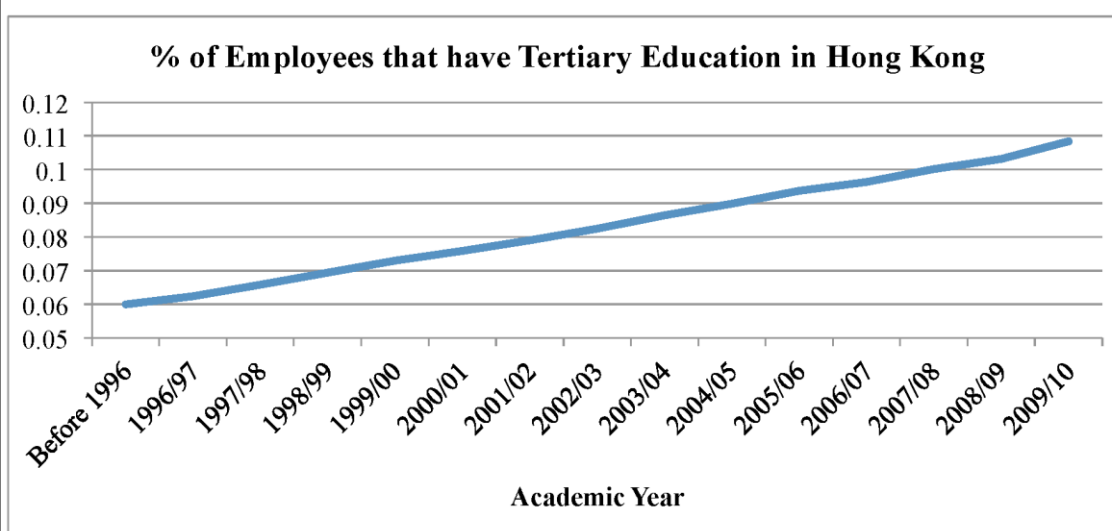


COMP1022Q Midterm Review Questions Part 1

Cell Formula and Cell Formatting

Q1) Here is a screen dump showing our target result. The chart at the bottom is included only to give you an overview of the data.

	A	B	C	D
1	Percentage of Employees that have Tertiary Education in Hong Kong			
2	<i>The following data shows the number of people that have tertiary education and the number of employed people from 1996 to 2010. We assume all people that have a tertiary degree get employed.</i>			
3				
4	Academic Year	Number of People that have Tertiary Education	Number of Employed People	% of Employees that have Tertiary Education
5	Before 1996	185000	3084842	0.059970657
6	1996/97	199776	3205958	0.062313979
7	1997/98	214790	3260892	0.06586848
8	1998/99	229390	3308833	0.069326557
9	1999/00	243989	3344842	0.072944851
10	2000/01	258279	3407783	0.075790917
11	2001/02	272712	3453142	0.078975032
12	2002/03	287139	3481458	0.082476652
13	2003/04	302053	3492108	0.086495893
14	2004/05	317196	3530133	0.089853838
15	2005/06	332915	3553892	0.093676172
16	2006/07	348728	3619833	0.096338146
17	2007/08	364662	3640616	0.100164917
18	2008/09	379340	3674942	0.103223398
19	2009/10	396514	3657542	0.108409965



Sources

<http://cdcf.ugc.edu.hk/cdcf/statIndex.do>

http://www.censtatd.gov.hk/hong_kong_statistics/statistics_by_subject/index.jsp?subjectID=2&charsetID=1&displayMode=T

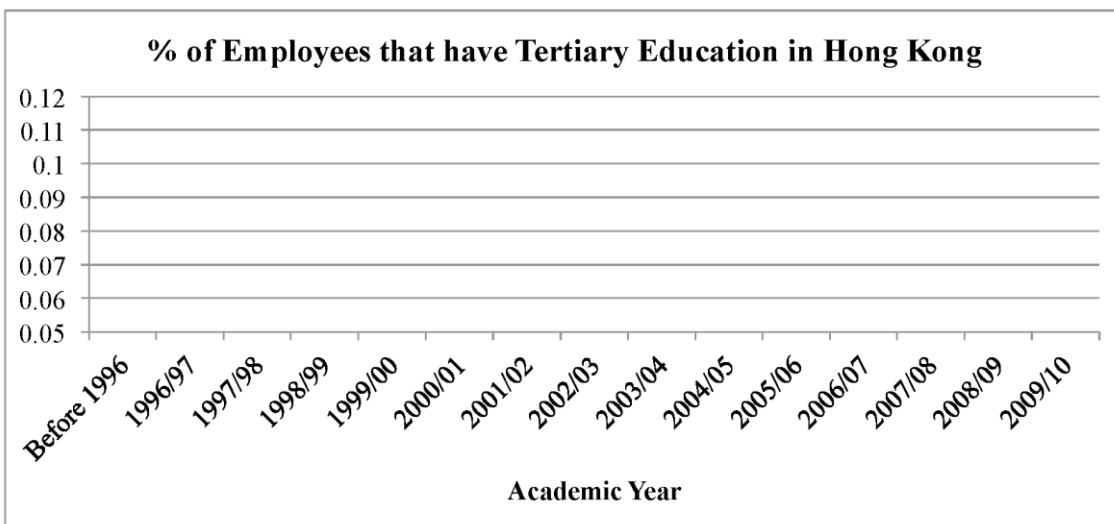
To achieve this result, you need to enter a correct Excel cell formula in **D5** that calculates the percentage of employees that have tertiary education. The formula will be copied and pasted into **D6** to **D19**. The correct values of the cells are shown in the previous screen dump on page 1.

	A	B	C	D
1	Percentage of Employees that have Tertiary Education in Hong Kong			
2	<i>The following data shows the number of people that have tertiary education and the number of employed people from 1996 to 2010. We assume all people that have a tertiary degree get employed.</i>			
3				
4	Academic Year	Number of People that have Tertiary Education	Number of Employed People	% of Employees that have Tertiary Education
5	Before 1996	185000	3084842	
6	1996/97	199776	3205958	
7	1997/98	214790	3260892	
8	1998/99	229390	3308833	
9	1999/00	243989	3344842	
10	2000/01	258279	3407783	
11	2001/02	272712	3453142	
12	2002/03	287139	3481458	
13	2003/04	302053	3492108	
14	2004/05	317196	3530133	
15	2005/06	332915	3553892	
16	2006/07	348728	3619833	
17	2007/08	364662	3640616	
18	2008/09	379340	3674942	
19	2009/10	396514	3657542	

Write your answer here

You don't need to write anything in these cells

Your answer will be copied and pasted into these cells



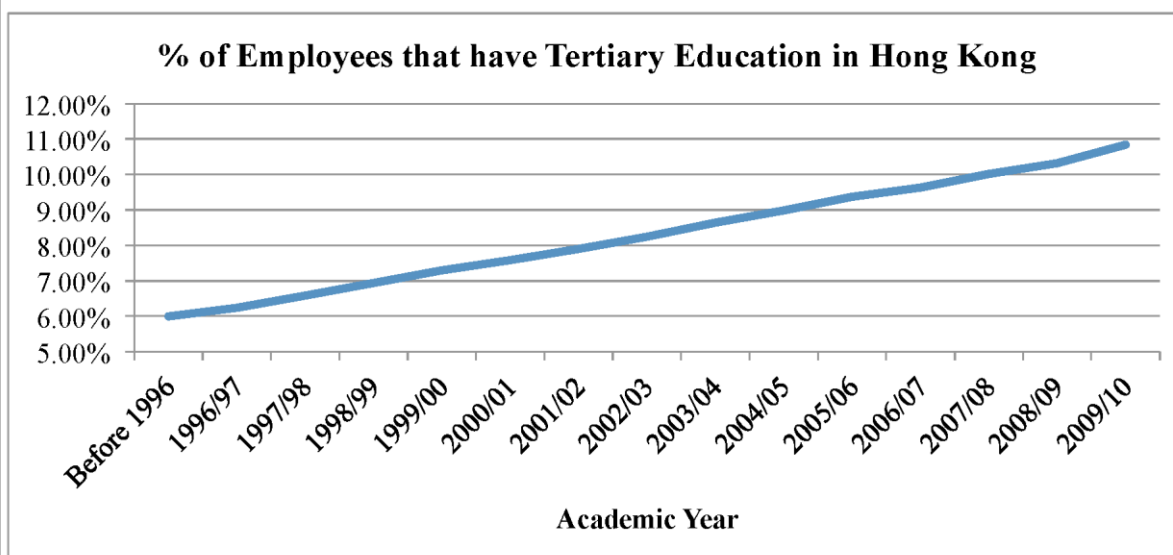
Sources

<http://cdcf.ugc.edu.hk/cdcf/statIndex.do>

http://www.censtatd.gov.hk/hong_kong_statistics/statistics_by_subject/index.jsp?subjectID=2&charsetID=1&displayMode=T

Q2) Here is a screen dump of our target result. The chart at the bottom is included only to give you an overview of the data.

	A	B	C	D
1	Percentage of Employees that have Tertiary Education in Hong Kong			
2	<i>The following data shows the number of people that have tertiary education and the number of employed people from 1996 to 2010. We assume all people that have a tertiary degree get employed.</i>			
3				
4	Academic Year	Number of People that have Tertiary Education	Number of Employed People	% of Employees that have Tertiary Education
5	Before 1996	185000	3084842	6.00%
6	1996/97	199776	3205958	6.23%
7	1997/98	214790	3260892	6.59%
8	1998/99	229390	3308833	6.93%
9	1999/00	243989	3344842	7.29%
10	2000/01	258279	3407783	7.58%
11	2001/02	272712	3453142	7.90%
12	2002/03	287139	3481458	8.25%
13	2003/04	302053	3492108	8.65%
14	2004/05	317196	3530133	8.99%
15	2005/06	332915	3553892	9.37%
16	2006/07	348728	3619833	9.63%
17	2007/08	364662	3640616	10.02%
18	2008/09	379340	3674942	10.32%
19	2009/10	396514	3657542	10.84%



Sources

<http://cdef.ugc.edu.hk/cdef/statIndex.do>

http://www.censtatd.gov.hk/hong_kong_statistics/statistics_by_subject/index.jsp?subjectID=2&charsetID=1&displayMode=T

To achieve the result shown in the previous screen dump, you need to set the correct cell formatting of the cells **D5** to **D19**. The cells have already been selected for you. Which **Category** should you choose in the *Format Cells* dialog?

	A	B	C	D
1	Percentage of Employees that have Tertiary Education in Hong Kong			
2	The following data shows the number of people that have tertiary education and the number of employed people from 1996 to 2010. We assume all people that have a tertiary degree get employed.			
3				
4	Academic Year	Number of People that have Tertiary Education	Number of Employed People	% of Employees that have Tertiary Education
5	Before 1996	185000	3084842	0.059970657
6	1996/97	199776	320595	0.062313979
7	1997/98	214790	326089	0.06586848
8	1998/99	229390	330883	0.069326557
				0.072944851
				0.075790917
				0.078975032
				0.082476652
				0.086495893
				0.089853838
				0.093676172
				0.096338146
				0.100164917
				0.103223398
				0.108409965

Format Cells...

Format Cells

Number

Alignment

Font

Border

Fill

Protection

Category:

General

Number

Currency

Accounting

Date

Time

Percentage

Fraction

Scientific

Text

Special

Custom

Sample

0.059970657

General format cells have no specific number format.

OK

Cancel

ong Kong

0.07

0.06

0.05

Before 1996

1996/97

1997/98

1998/99

1999/00

2000/01

2001/02

2002/03

2003/04

2004/05

2005/06

2006/07

2007/08

2008/09

2009/10

Academic Year

Sources

<http://cdcf.ugc.edu.hk/cdcf/statIndex.do>

http://www.censtatd.gov.hk/hong_kong_statistics/statistics_by_subject/index.jsp?subjectID=2&charsetID=1&displayMode=T

Please circle one of the following:

Number / Currency / Accounting / Date / Time / Percentage / Fraction / Scientific / Text / Special / Custom

Cell Formula Logic Question

Q3)

You have created an Excel worksheet to assess whether to purchase your dream car. Your worksheet looks like this:

	A	B	C	D
1	Dream Car Purchase Assessment			
2				
3	Money in bank			2000000
4	Cost of my dream car			1000000
5	Monthly car parking fee			10000
6	Is my partner happy with that?			TRUE
7				
8	Should I buy my dream car?			

The formula is entered here

The logic is: if you have enough money to cover the cost of the dream car purchase plus 3 years of parking fee and your partner is happy with that, then you will purchase the dream car.

Using this information, what is the formula of cell **D8**? It should show either TRUE or FALSE as the output. Please write the formula in the box below.

f_x	=
----------------------	---

Nested IF Question

Q4)

A numeric movie rating (a number in the range 0-100) is stored in **B3**. In cell **B4** a corresponding letter rating will be automatically given to the movie, as follows:

From 0 to 64 earns a C rating
 From 65 to 84 earns a B rating
 From 85 to 94 earns an A rating
 From 95 to 100 earns an S rating

The result looks like this:

	A	B
1	Movie Rating Conversion	
2		
3	Numeric rating	82
4	Letter rating	B

What is the formula in cell **B4**? Use nested IF functions to write the formula in the box below.

f_x	=
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