



# Videregående Statistik og KeHaTools Kapitel 2: Skalering og indekstal

# Oversigt

- Eksempel 2.2                      Beregning af indekstal
- Eksempel 2.3                      Reindeksering

# Indekstal

- Der findes ikke indbyggede funktioner i Excel eller KeHaTools til at håndtere indekstal
- Det er imidlertid let at lave formler, som gør dette

# Eksempel 2.1 - I

The screenshot shows a Microsoft Excel spreadsheet titled "FS\_Data.xlsx M". The ribbon menu is visible at the top, with the "Filer" tab selected. The main area displays a table of data starting at cell B15. The table has columns labeled "år" (Year), "BNP", and "indekstal" (index value). The data spans from 2001 to 2012. Row 15 is highlighted in yellow, and row 16 is partially visible below it. The formula bar at the top shows "B15".

	A	B	C	D	E
1	Eksempel 12.2				
2	år	BNP	indekstal		
3	2001	1335,6			
4	2002	1372,7			
5	2003	1400,7			
6	2004	1466,2			
7	2005	1534,3			
8	2006	1637,7			
9	2007	1695,3			
10	2008	1753,2			
11	2009	1667,8			
12	2010	1761,1			
13	2011	1791,5			
14	2012	1816,7			
15					
16					
17					

# Eksempel 2.2 - II

The screenshot shows a Microsoft Excel spreadsheet titled "FS\_Data.xlsx". The ribbon is visible at the top with tabs like Filer, Start, Inds., Sidel, Form, Data, Genr, Vis, Udv, Tilføj, and ?.

In the Data tab, there are several icons: Hent eksterne data, Opdater alle, Sorter og filtrer, Databærktøjer, Disposition, Analyse, and KeHaTool. The "Sorter og filtrer" icon has a red circle around it.

The formula bar shows the formula  $=B3/\$B$7*100$  in cell C3.

The spreadsheet contains two sections:

- Eksempel 12.2:** A table with columns "år" (Year), "BNP", and "indekstal". The data from 2001 to 2012 is as follows:

år	BNP	indekstal
2001	1335,6	87,04947
2002	1372,7	
2003	1400,7	
2004	1466,2	
2005	1534,3	
2006	1637,7	
2007	1695,3	
2008	1753,2	
2009	1667,8	
2010	1761,1	
2011	1791,5	
2012	1816,7	
- Eksempel 12.3:** A table with the same structure, but only the first row is visible.

The status bar at the bottom shows "Klar" and zoom levels from 100% to 400%.

Vi dividerer med B7, da dette er BNP for basisåret.

Vi sætter \$-tegn på for at holde dette fast, når vi kopierer formlen nedad

# Eksempel 2.2 - III

The screenshot shows a Microsoft Excel window with the title "FS\_Data.xlsx - Microsoft Excel". The ribbon is visible at the top, with the "Start" tab selected. The formula bar shows the formula =B3/\$B\$7\*100. The main area displays a table with two columns: "år" (Year) and "indeksantal" (Index value). The table has 14 rows, from 3 to 16. Row 1 contains the header "Eksempel 12.2" and "Eksempel 12.3". Row 2 contains the header "år" and "indeksantal". Rows 3 through 14 contain data for the years 2001 to 2012. Row 15 is empty, and row 16 is partially visible. The data is as follows:

	A	B	C	D	E	F	G
1	Eksempel 12.2			Eksempel 12.3			
2	år	BNP	indeksantal				
3	2001	1335,6	87,04947				
4	2002	1372,7	89,46751				
5	2003	1400,7	91,29245				
6	2004	1466,2	95,56149				
7	2005	1534,3	100				
8	2006	1631,7	106,3482				
9	2007	1695,3	110,4934				
10	2008	1753,2	114,2671				
11	2009	1664,8	108,5055				
12	2010	1761,1	114,782				
13	2011	1791,5	116,7633				
14	2012	1816,7	118,4058				
15							
16							
17							

At the bottom of the screen, there are status bars showing "Middel: 104,4113494" and "Antal: 12" and "Sum: 1252,936192". The zoom level is set to 100%.

# Eksempel 2.3 - I

A screenshot of Microsoft Excel showing a table with data from 2000 to 2005. The table has columns F, G, H, I, J, and K. Row 1 contains "Eksempel 12.3". Row 2 contains "år" and the formula "2002 = 100 200 = 100". Rows 3 through 8 contain the years 2000 through 2005 respectively, with their corresponding values in columns F and G. Row 9 is empty. Row 10 is labeled "10". Row 11 is labeled "11". The formula bar shows "K6". The status bar at the bottom indicates "Eksempel 1.3 / Eksempel 1.3".

	F	G	H	I	J	K
1	Eksempel 12.3					
2	år	2002 = 100 200 = 100				
3	2000	82				
4	2001	89				
5	2002	100				
6	2003	107				
7	2004	113				
8	2005	120				
9						
10						
11						

A screenshot of Microsoft Excel showing the same table as the first screenshot, but with a formula applied to column H. The formula in cell H3 is "=G3/\$G\$3\*100". The values in column H are now calculated percentages: 82, 108,5366, 121,9512, 130,4878, 137,8049, and 146,3415. The formula bar shows "H3" and the formula "=G3/\$G\$3\*100". The status bar at the bottom indicates "Middel: 124,1869919 Antal: 6 Sum: 745,1219512".

	F	G	H	I	J	K
1	Eksempel 12.3					
2	år	2002 = 100 200 = 100				
3	2000	82	100			
4	2001	89	108,5366			
5	2002	100	121,9512			
6	2003	107	130,4878			
7	2004	113	137,8049			
8	2005	120	146,3415			
9						
10						
11						