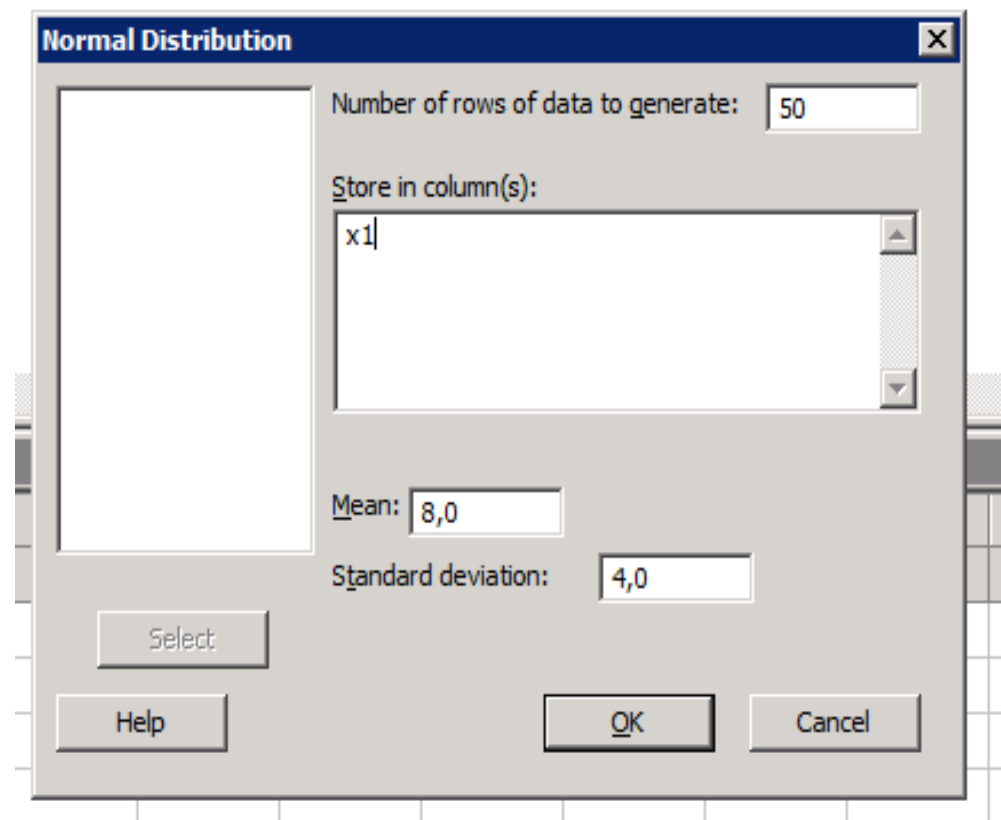


Ekstra Minitab-oppgave

- 1. Start med å generere 50 normalfordelte tall med forventning 8 og standardavvik 4, kall denne variabelen x1.

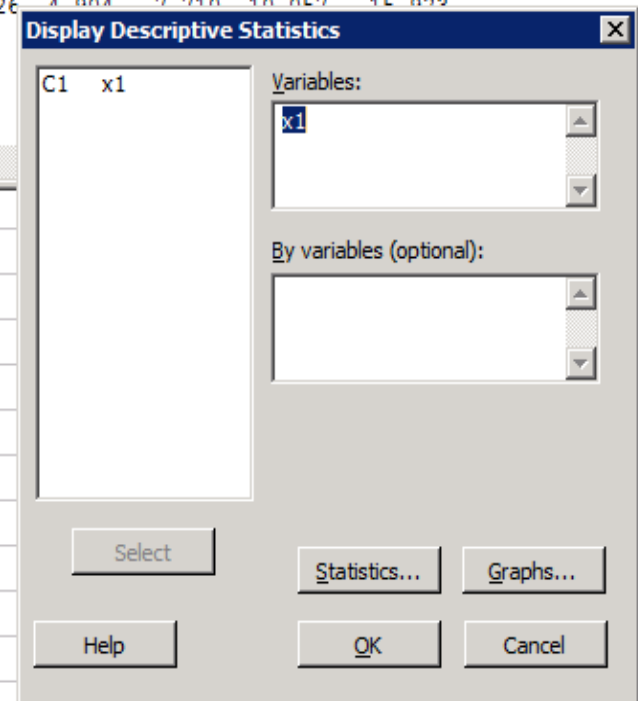


- 2. Finn gjennomsnitt, standardavvik, median, Q1 og Q3 for x1, samt interkvartil avstand. Lag et histogram, et boksplott og et blad/stilk-diagram over x1. Lag også et q-q-plott (kvantilplott)
- Stat --> Basic Statistics --> Display Descriptive Statistics
- Graph --> Histogram

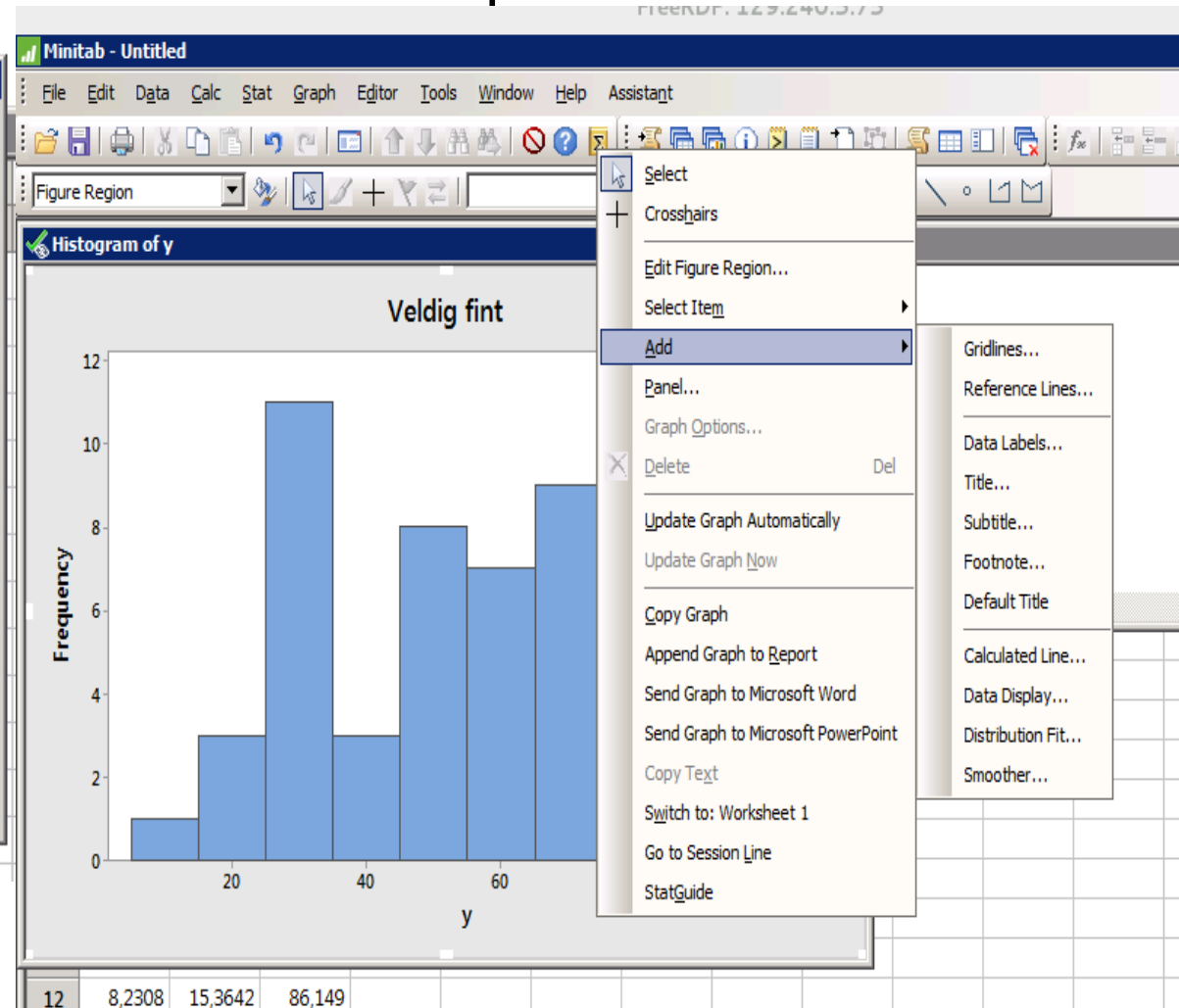
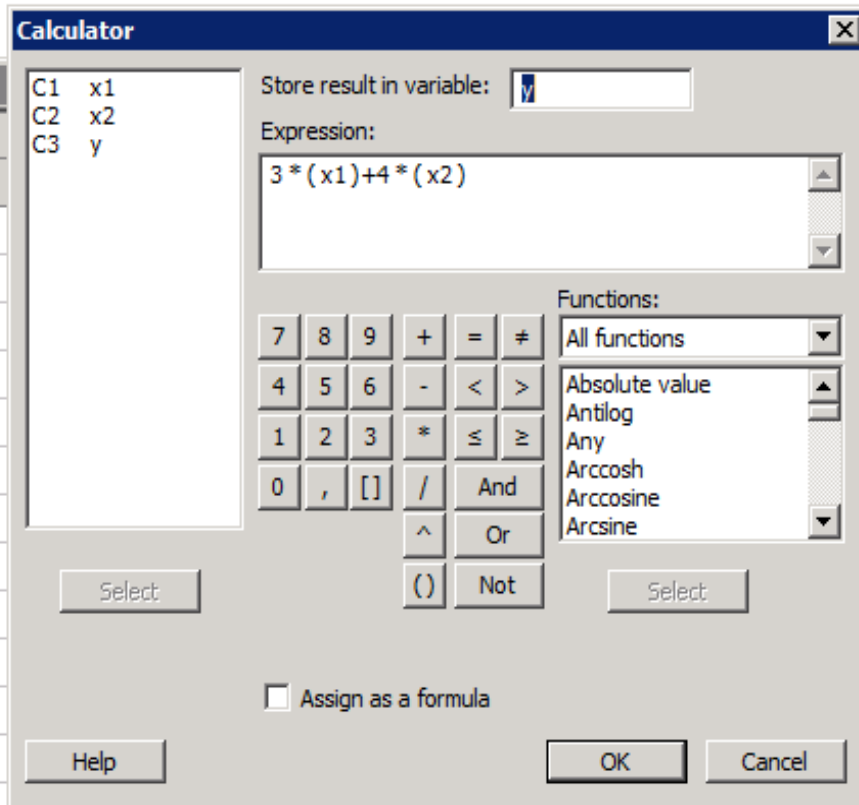
Descriptive Statistics: x1

Variable	N	N*	Mean	SE Mean	StDev	Minimum	Q1	Median	Q3	Maximum
x1	50	0	7,475	0,469	3,316	1,326	4,904	7,710	10,057	15,022

1	4,9331									
2	3,5742									
3	12,5138									
4	3,0560									
5	2,6656									
6	12,1238									
7	7,3924									
8	5,4797									
9	10,5508									
10	11,0245									
11	9,1992									
12	8,2308									
13	11,1317									
14	3,3614									
15	3,5620									

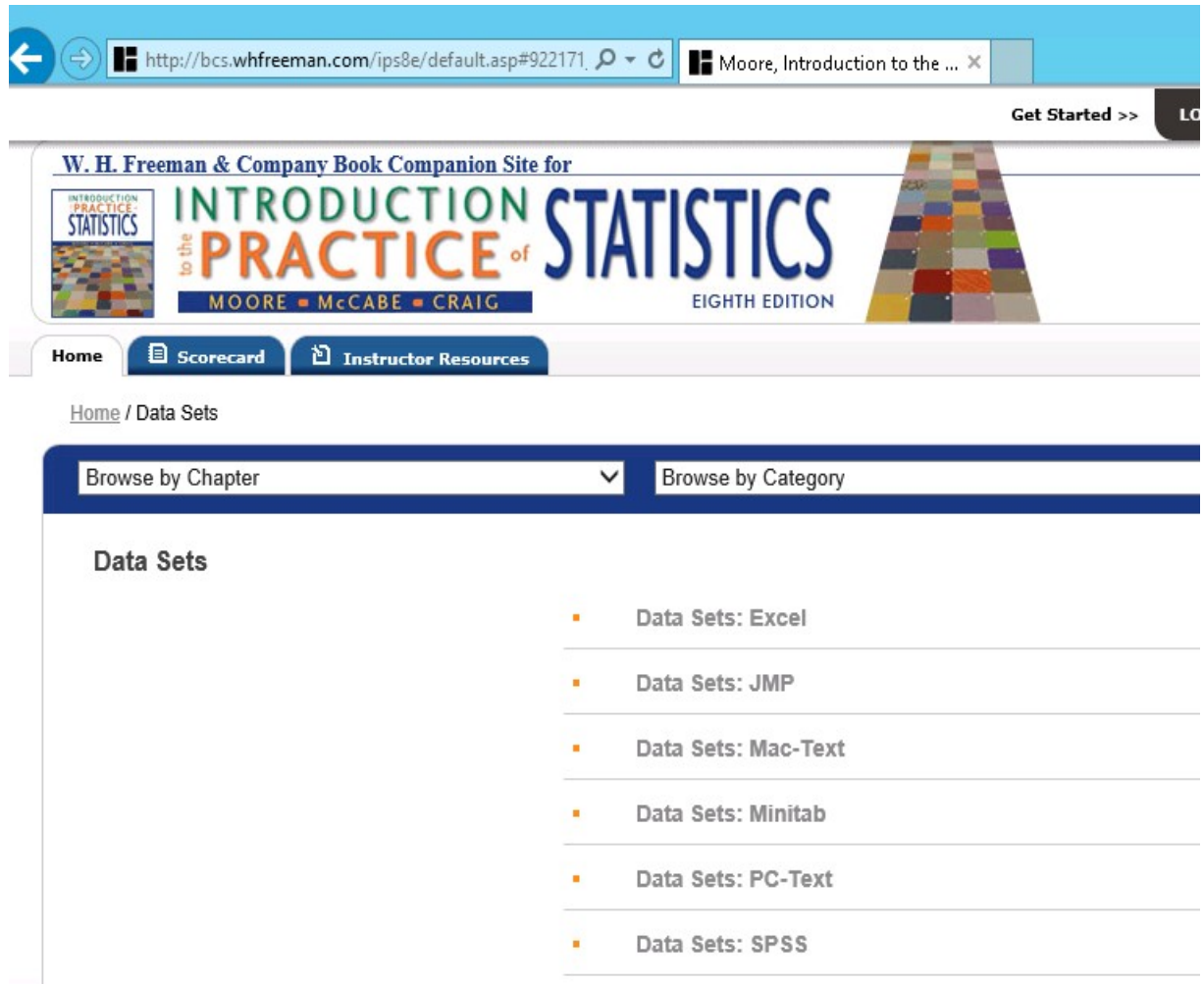


- 3. Generer en ny variabel x2.
- 4. Bruk kalkulatoren til å beregne $y = 3(x1) + 4(x2)$, og tegn et histogram over y. Hvordan ser fordelingen til y ut? Hva tror du senteret i denne fordelingen er? Få inn en tittel for dette histogrammet og en fotnote som du finner på selv.



1.152 Longleaf pine trees

- Hent inn data fra nettsiden:



The screenshot shows a web browser window with the URL <http://bcs.whfreeman.com/ips8e/default.asp#922171>. The page is the book companion site for "Introduction to the Practice of Statistics, Eighth Edition" by Moore, McCabe, and Craig. The navigation menu includes "Home", "Scorecard", and "Instructor Resources". The current page is "Data Sets", which offers a "Browse by Chapter" dropdown and a "Browse by Category" dropdown. Under "Data Sets", there is a list of download options:

- Data Sets: Excel
- Data Sets: JMP
- Data Sets: Mac-Text
- Data Sets: Minitab
- Data Sets: PC-Text
- Data Sets: SPSS

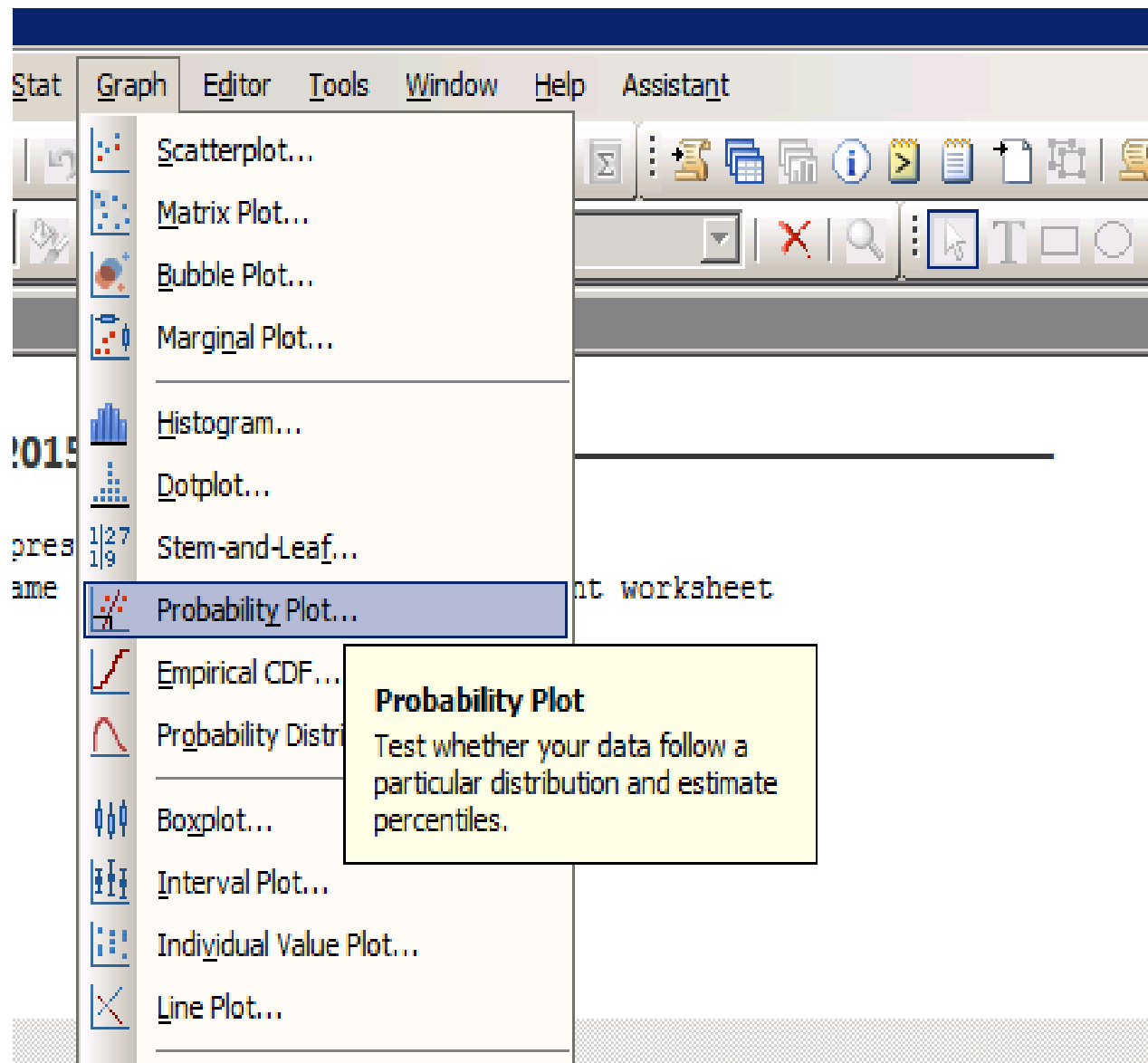
- Data inn i minitab: **File --> Open Worksheet**

09.09.2015 10:17:48

Welcome to Minitab, press F1 for help

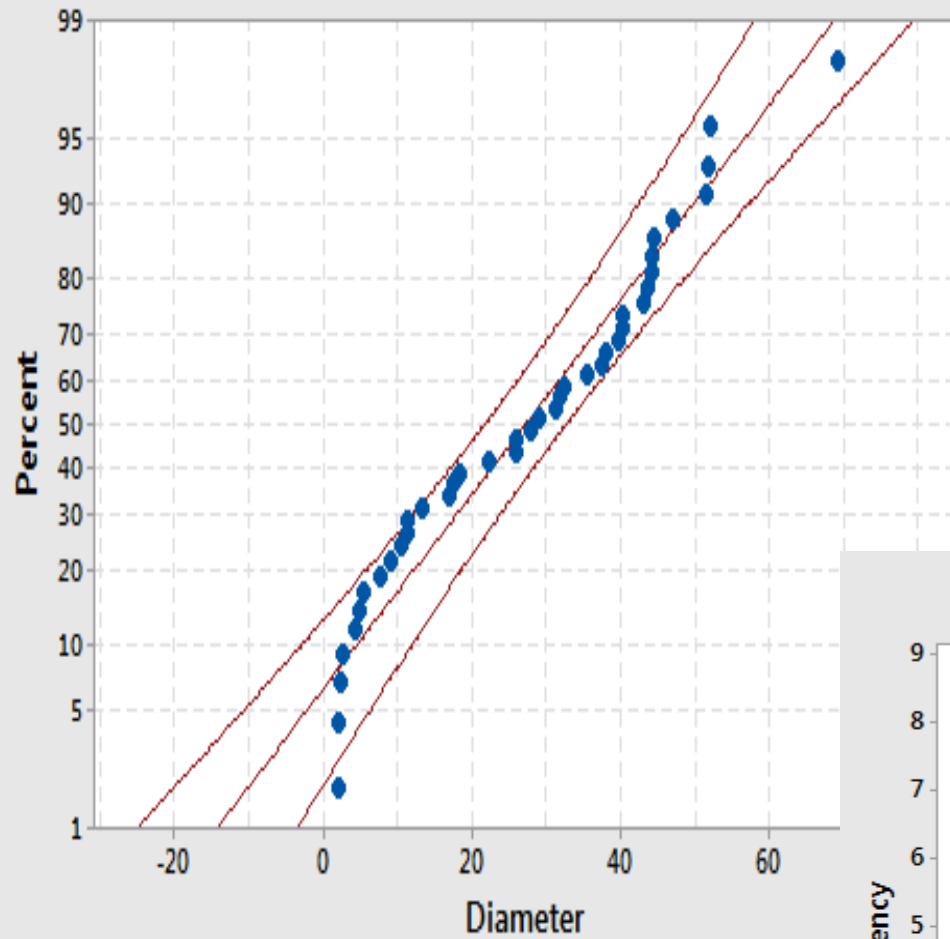
	C1	C2	C3
	Diameter		
1	10,5		
2	13,3		
3	26,0		
4	18,3		
5	52,2		
6	9,2		
7	26,1		
8	17,6		
9	40,5		

- Lag q-q-plot: Graph --> Probability Plot...



Probability Plot of Diameter

Normal - 95% CI



Histogram of Diameter

