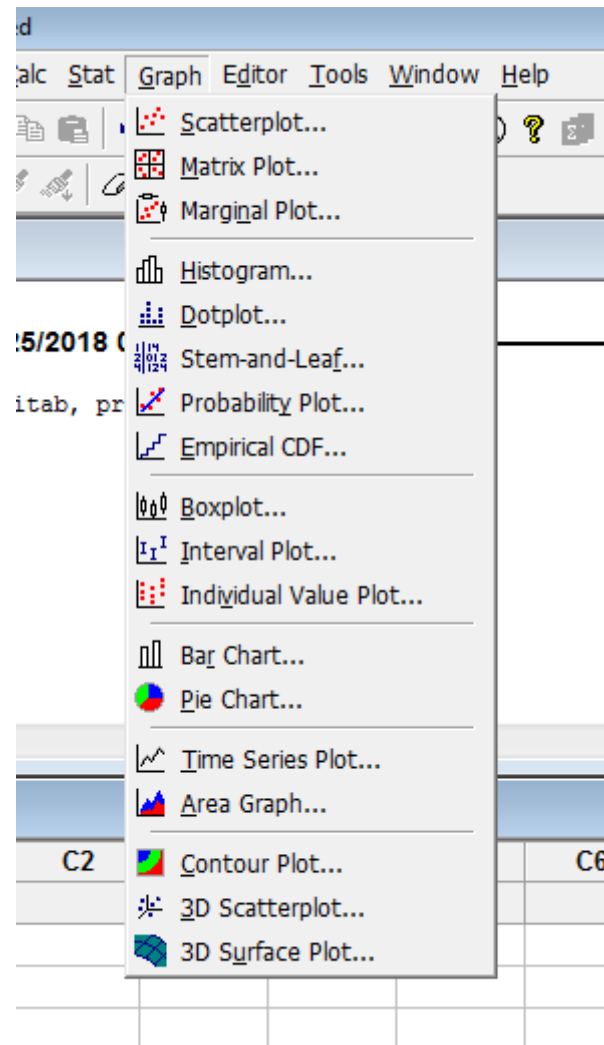
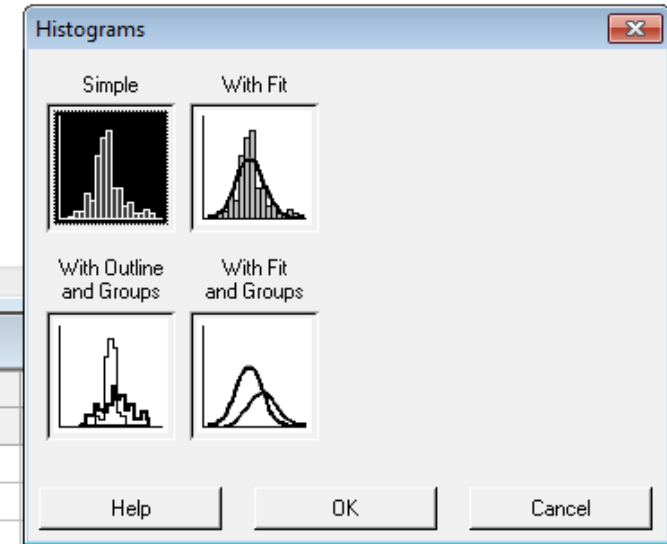
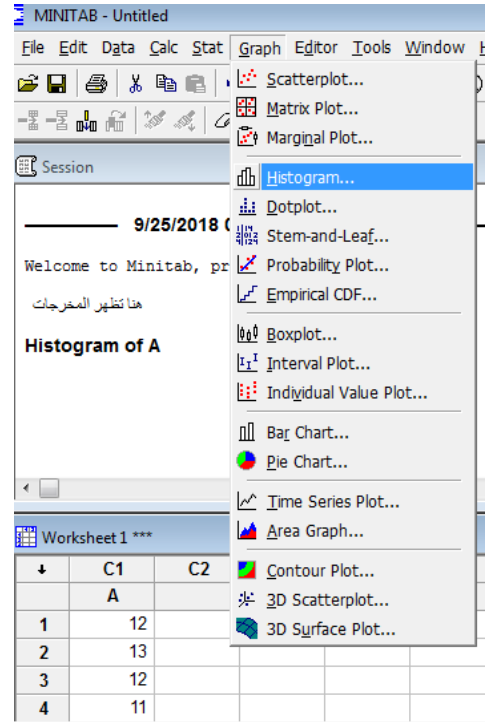


The screenshot displays the Minitab software interface. At the top, the title bar reads "MINITAB - Untitled". Below it is a menu bar with options: File, Edit, Data, Calc, Stat, Graph, Editor, Tools, Window, and Help. A toolbar with various icons is positioned below the menu bar. The main window is divided into two panes. The upper pane, titled "Session", shows a timestamp "9/25/2018 06:57:36 م" and a welcome message: "Welcome to Minitab, press F1 for help." followed by the Arabic text "هنا تظهر المخرجات". The lower pane, titled "Worksheet 1 ***", contains a data table with columns labeled C1-T through C20. The first column, C1-T, has a header "اسم المتغير" and the following rows: "1 القيمة الاولى", "2 القيم الثانية", and "3". The rest of the table is empty. At the bottom of the window, the status bar shows "Current Worksheet: Worksheet 1" and the system tray includes the date "9/25/2018", the time "7:05 PM", and icons for Minitab, Adobe Reader, Word, File Explorer, Chrome, and Windows.

	C1-T	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16	C17	C18	C19	C20
	اسم المتغير																			
1	القيمة الاولى																			
2	القيم الثانية																			
3																			
4																				
5																				
6																				
7																				
8																				
9																				

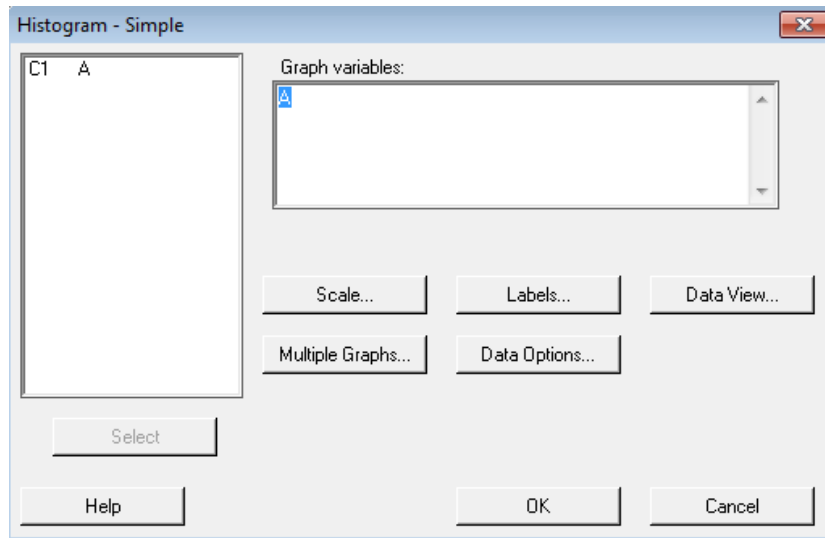
قائمة خاصة بالرسومات البيانية



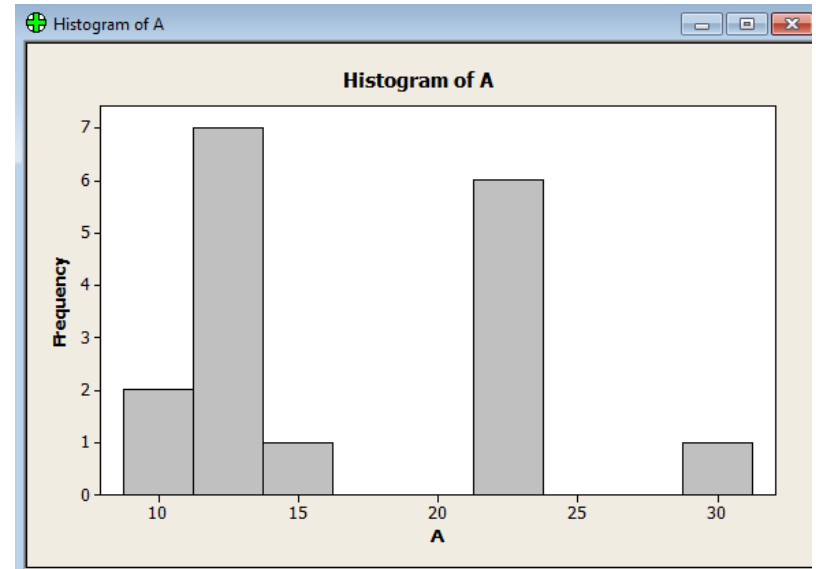


>>

>> :

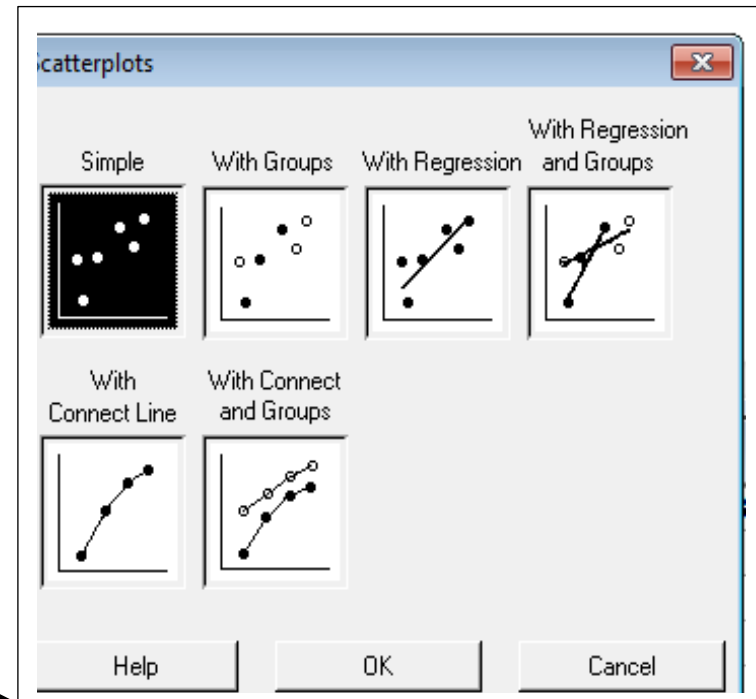
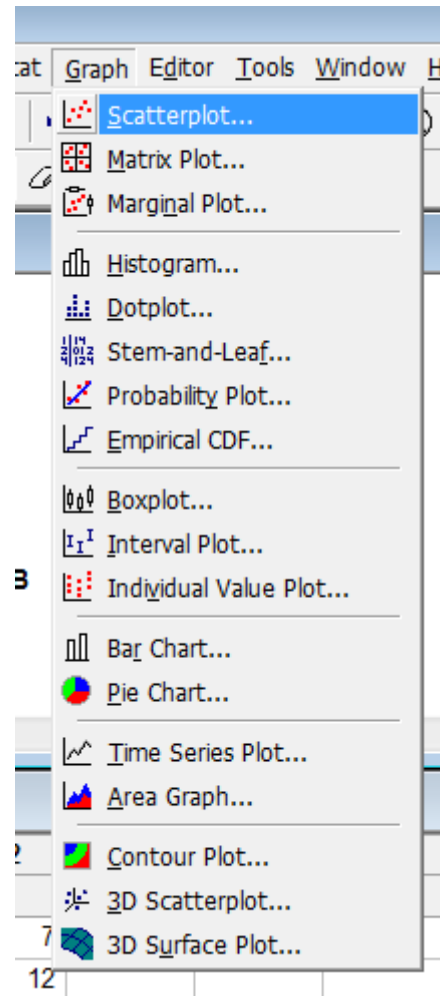


>>

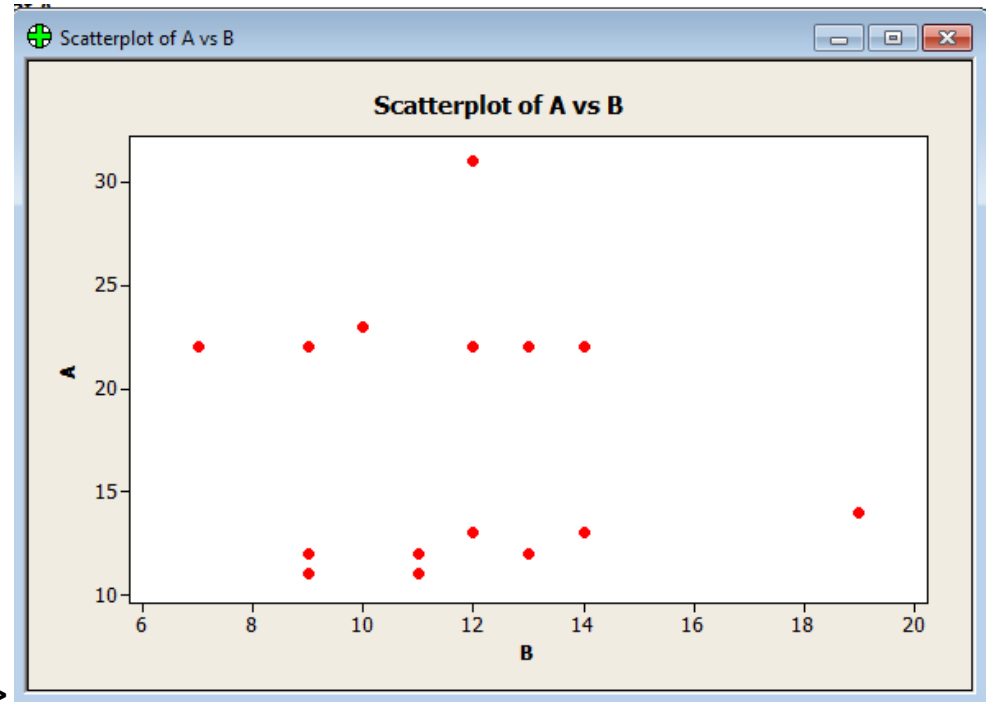
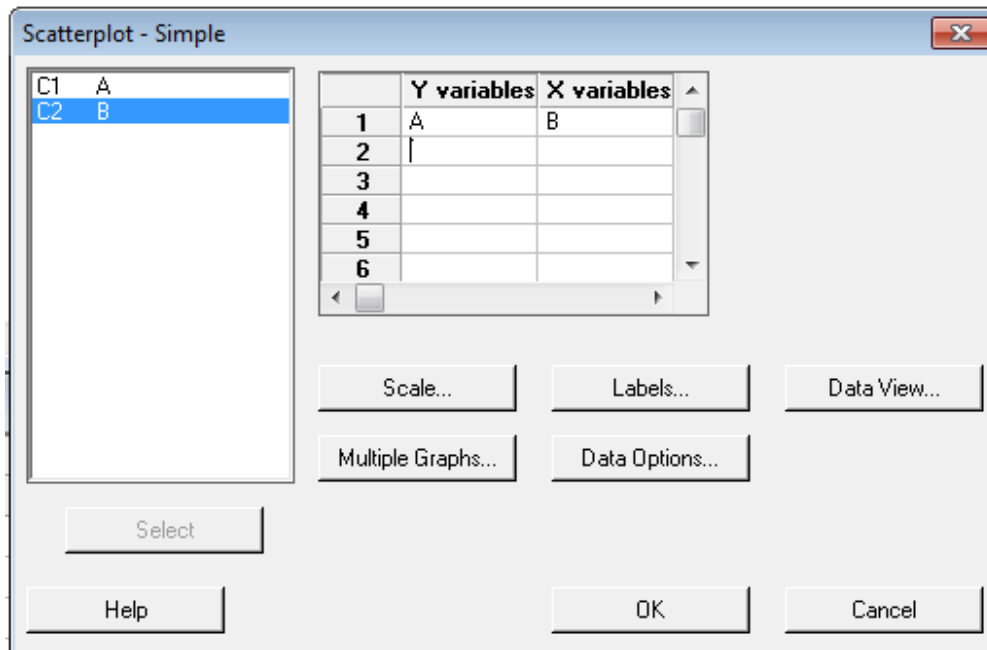


Worksheet 1 ***

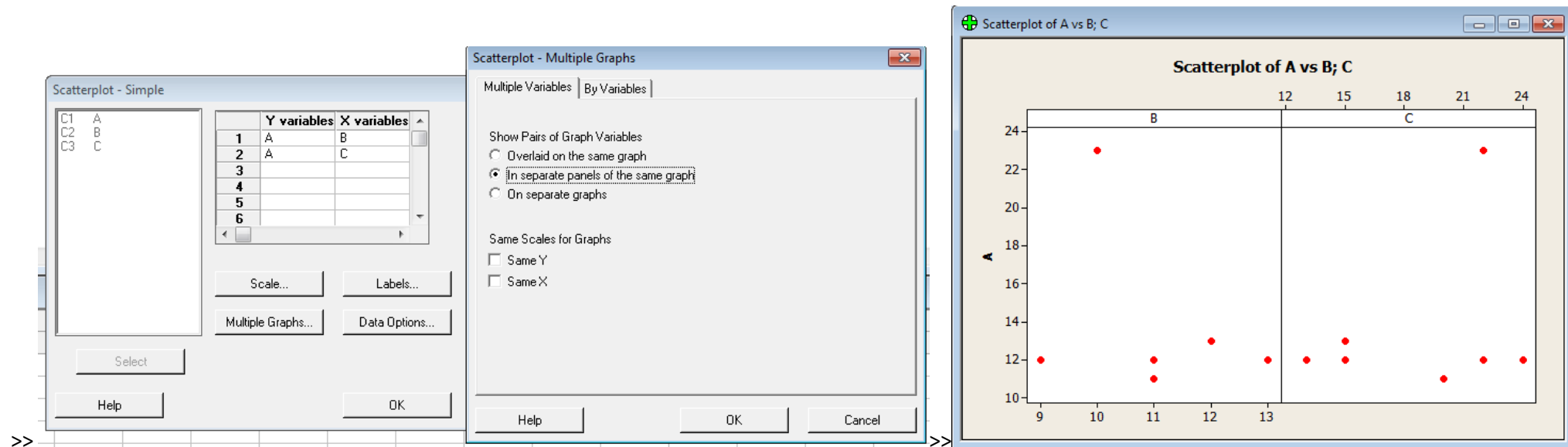
	C1	C2
	A	B
1	12	11
2	13	12
3	12	13
4	11	11
5	23	10
6	12	9
7	12	9
8	11	9
9	22	9



>> ادخال البيانات



ويمكن رسم و بيان العلاقة بين اكثر من متغيرين في آن و احد بادخالها جميعا كما في الصورة



Bare Chart

The image shows the Minitab software interface. On the left, the 'Graph' menu is open, listing various plot types. The 'Bar Chart...' option is highlighted. In the center, the 'Bar Charts' dialog box is open, showing 'Counts of unique values' as the data source and three chart styles: Simple, Cluster, and Stack. The 'Cluster' style is selected. On the right, the 'Bar Chart - Counts of unique values, Cluster' dialog box is open, showing a list of variables (C1, C2, C3) and a list of categorical variables (A, B) selected for the chart. The 'Bar Chart Options...', 'Scale...', and 'Labels...' buttons are visible.

Graph Editor Tools Window

- Scatterplot...
- Matrix Plot...
- Marginal Plot...
- Histogram...
- Dotplot...
- Stem-and-Leaf...
- Probability Plot...
- Empirical CDF...
- Boxplot...
- Interval Plot...
- Individual Value Plot...
- Bar Chart...**
- Pie Chart...
- Time Series Plot...
- Area Graph...
- Contour Plot...
- 3D Scatterplot...
- 3D Surface Plot...

Bar Charts

Bars represent:
Counts of unique values

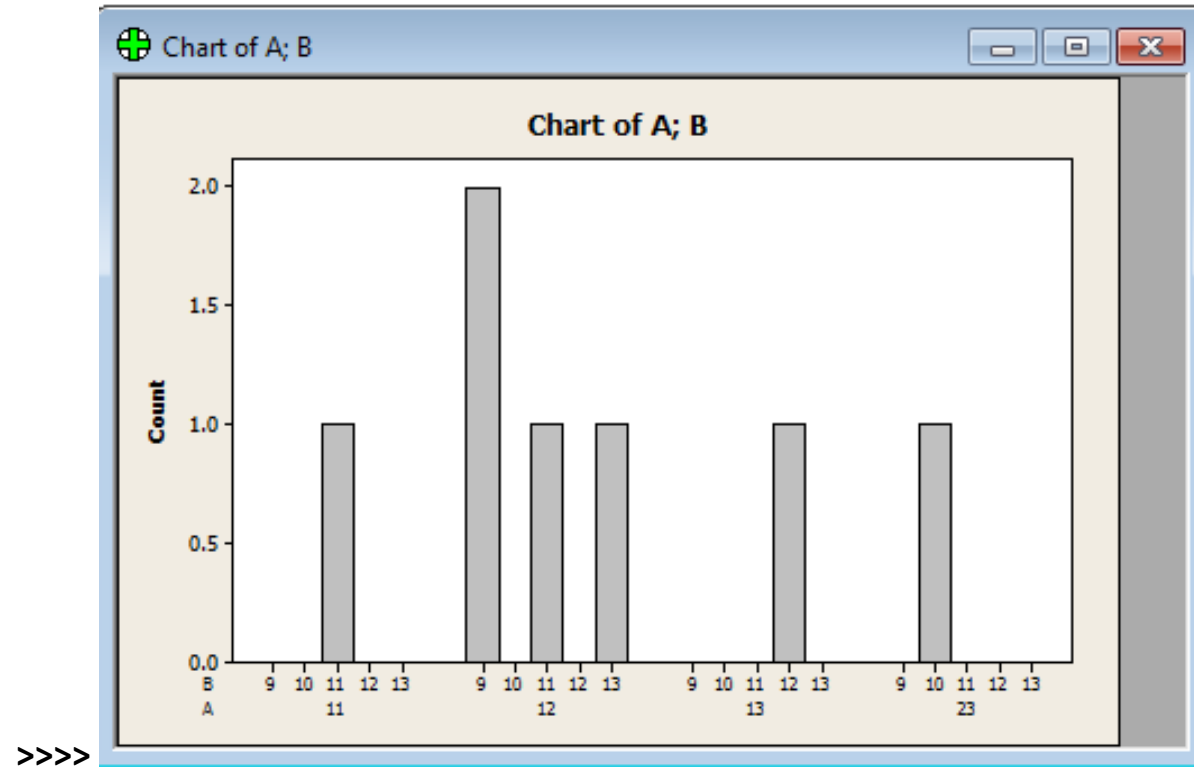
Simple Cluster Stack

Bar Chart - Counts of unique values, Cluster

C1 A
C2 B
C3 C

Categorical variables (2-4, outermost first):
A B

Bar Chart Options... Scale... Labels...
Select Data View... Multiple Graphs... Data Options...
Help OK Cancel



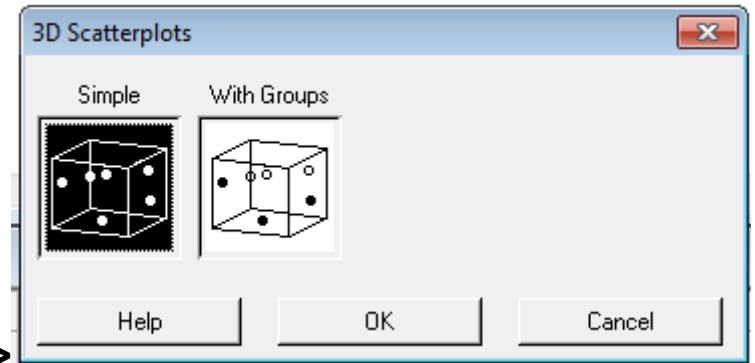
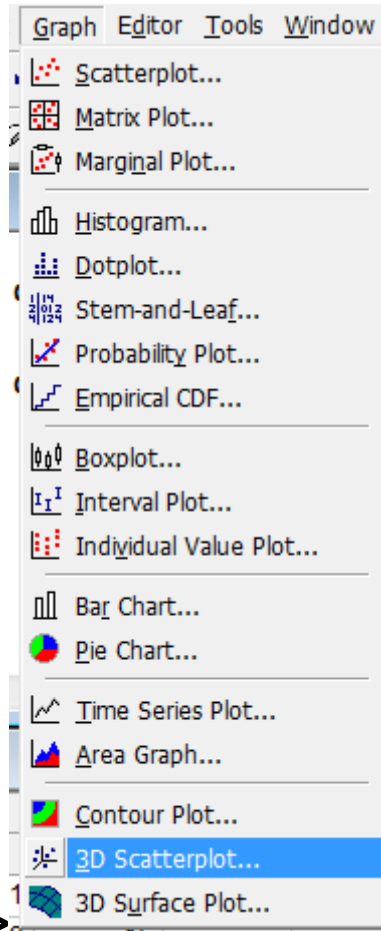
>>>>

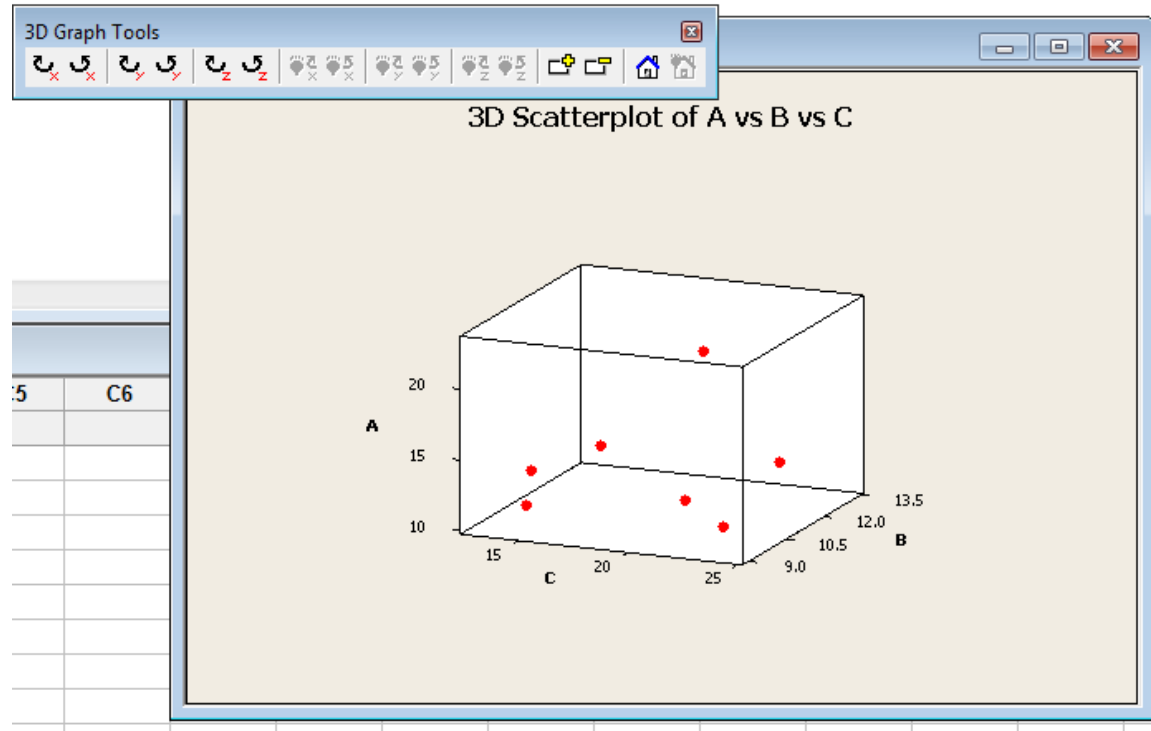
لثلاثة متغيرات يمكن تمثيلها في شكل ثلاثي الابعاد :

Worksheet 1 ***

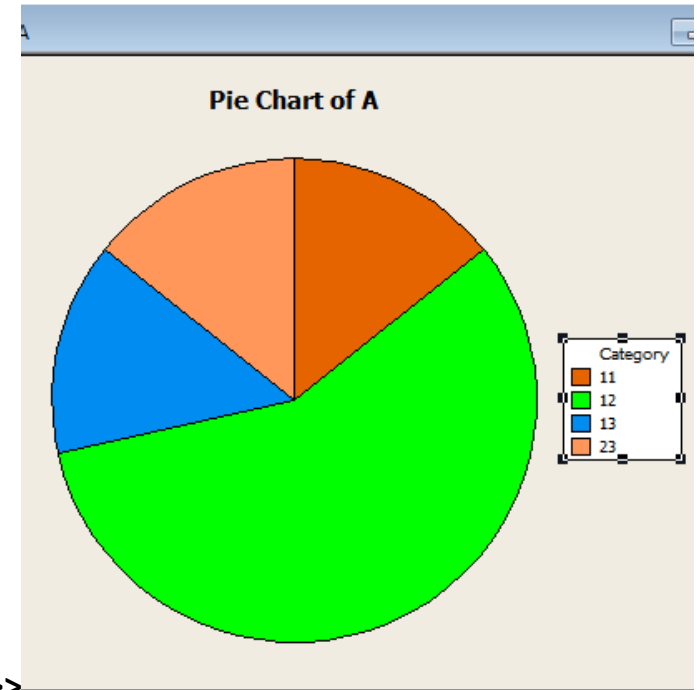
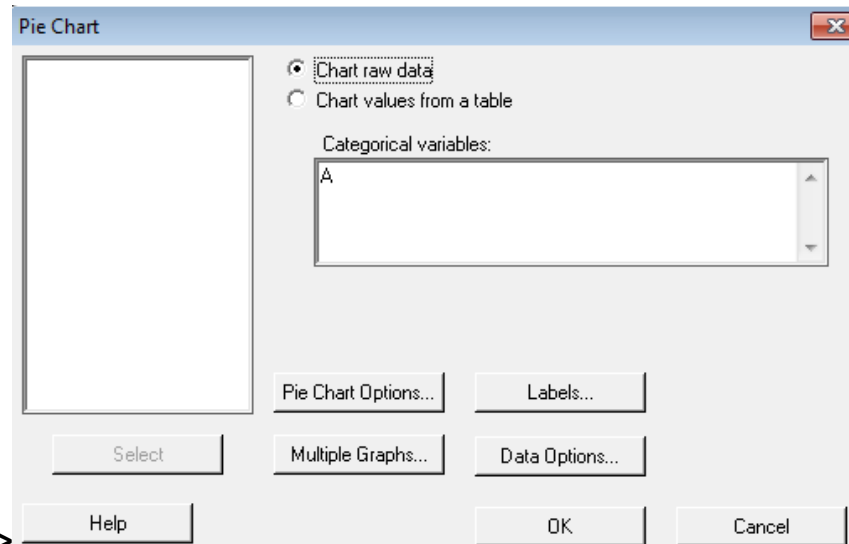
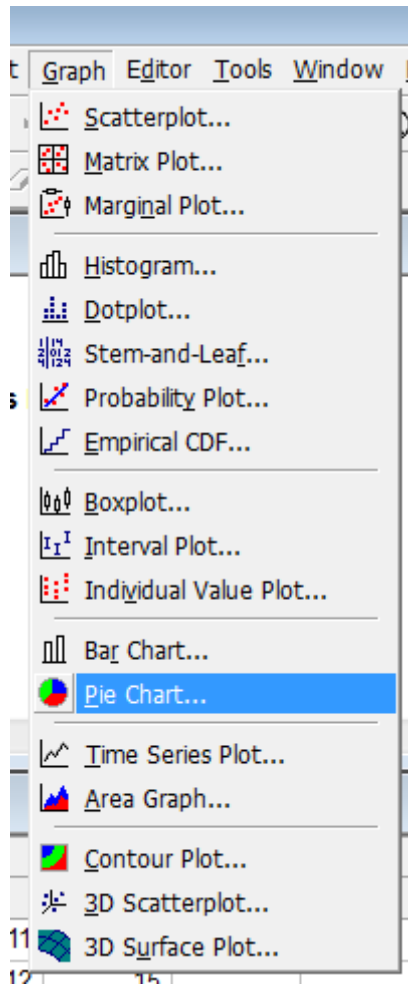
↓	C1	C2	C3
	A	B	C
1	12	11	13
2	13	12	15
3	12	13	22
4	11	11	20
5	23	10	22
6	12	9	24
7	12	9	15

>> ادخال البيانات >>





Pie Chart

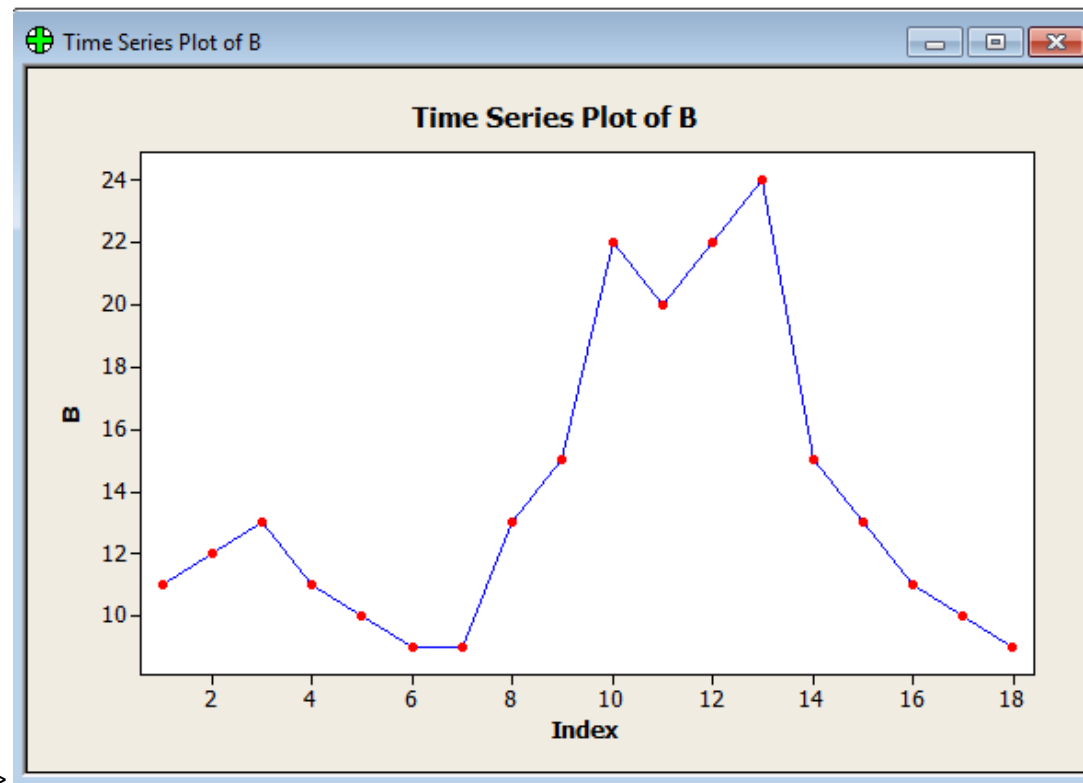
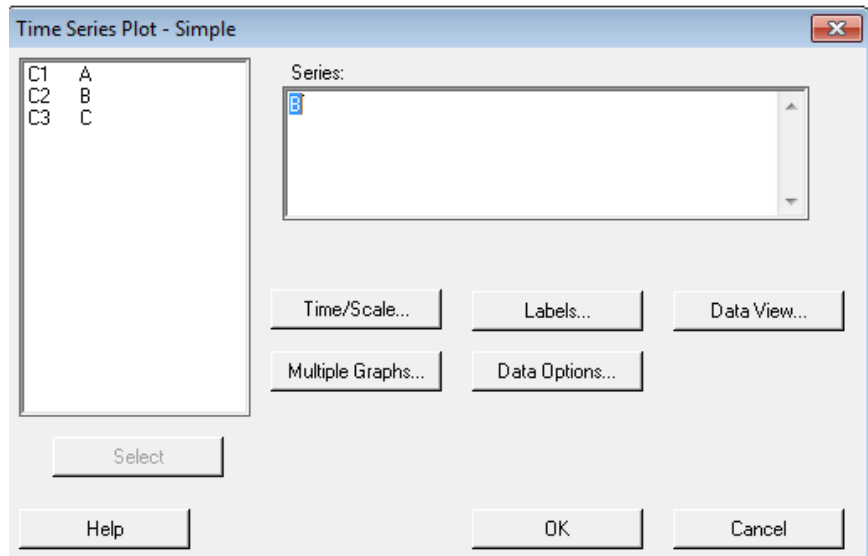


السلاسل الزمنية:

The screenshot displays the Minitab software interface. On the left, the 'Graph' menu is open, with 'Time Series Plot...' selected. The background shows a worksheet titled 'Worksheet1 ***' with the following data:

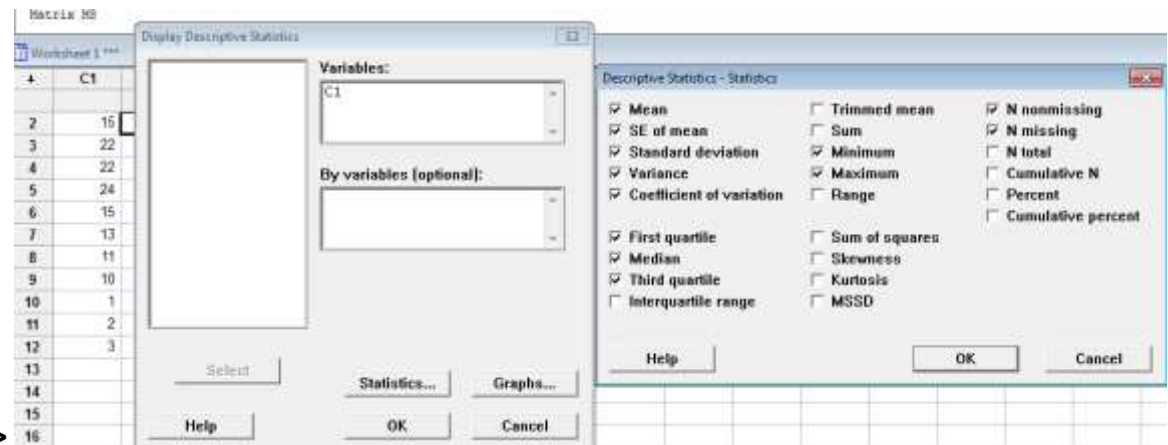
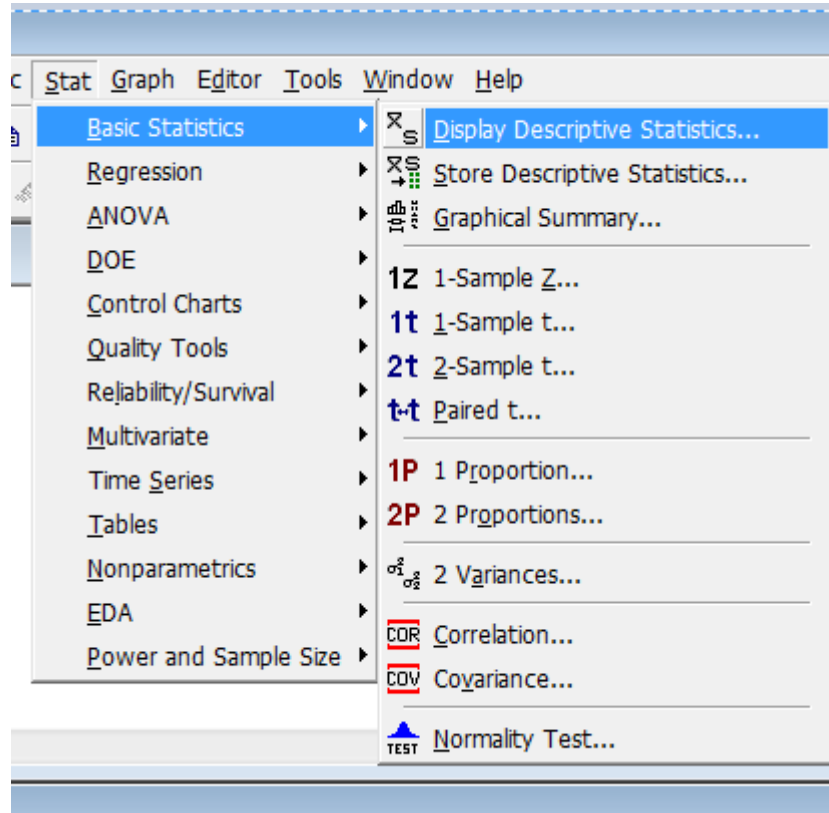
	C1	C2	C3
	A	B	C
1	1	11	
2	2	12	
3	3	13	
4	4	11	
5	5	10	
6	6	9	
7	7	9	
8	8	13	
9	9	15	

The 'Time Series Plots' dialog box is open, showing four plot types: 'Simple', 'With Groups', 'Multiple', and 'Multiple with Groups'. Each type is represented by a small icon showing a line graph with data points. The 'Simple' option shows a single line with circular markers. 'With Groups' shows a single line with circular markers and a legend. 'Multiple' shows two lines with different markers. 'Multiple with Groups' shows two lines with different markers and a legend. At the bottom of the dialog are 'Help', 'OK', and 'Cancel' buttons.



المقاييس الوصفية :

بعد ادخال البيانات



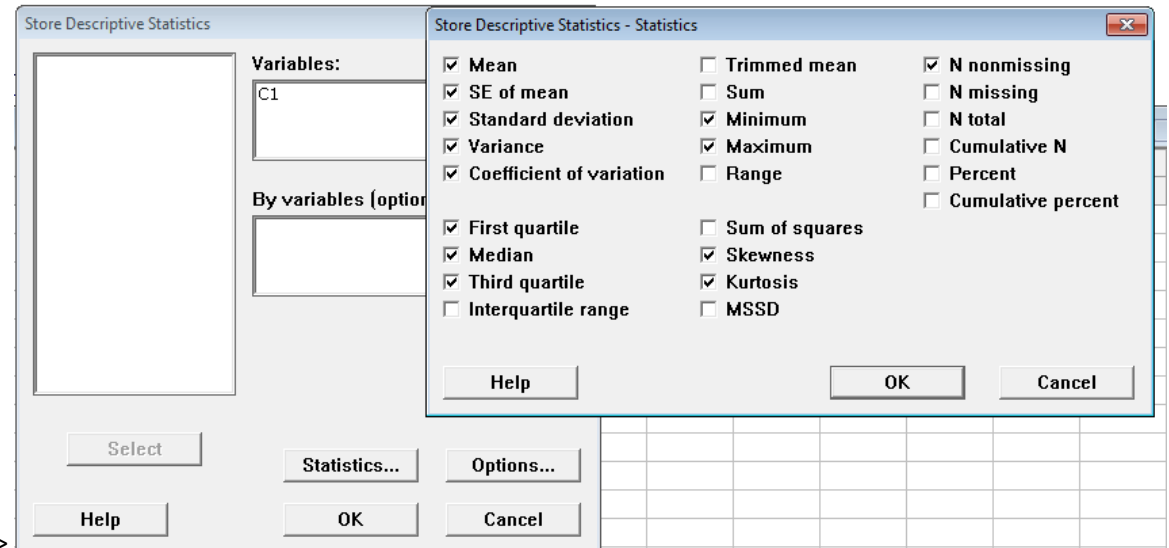
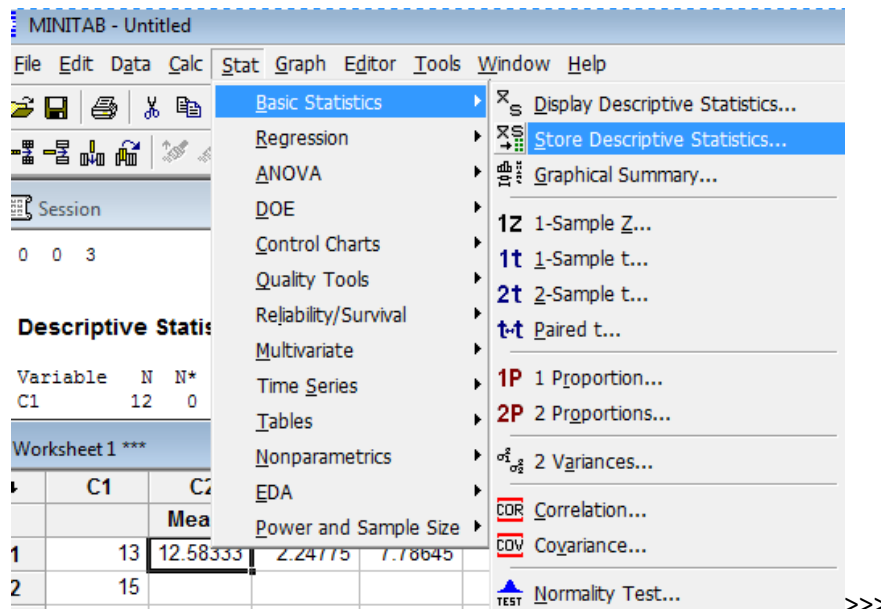
Descriptive Statistics: C1

Variable	N	N*	Mean	SE Mean	StDev	Variance	CoefVar	Minimum	Q1
C1	12	0	12.58	2.25	7.79	60.63	61.88	1.00	4.75

Variable	Median	Q3	Maximum
C1	13.00	20.25	24.00

المخرجات:

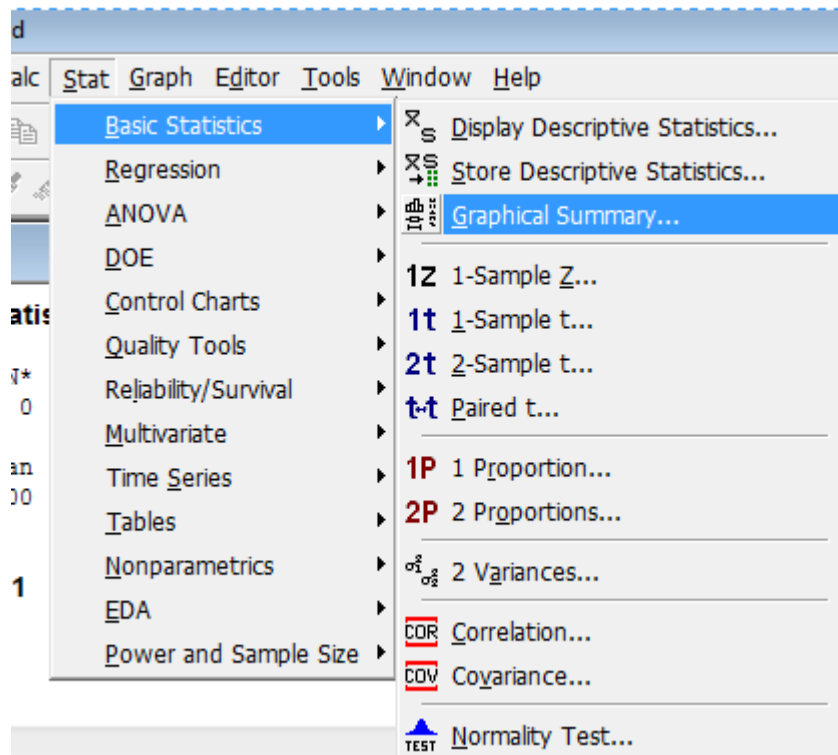
لاظهار المقاييس الوصفية في جدول :



تظهر النتائج في جدول :

C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14
Mean1	SEMean1	StDev1	Variance1	CVariation1	Q1_1	Median1	Q3_1	Minimum1	Maximum1	Skewness1	Kurtosis1	N1
12.58333	2.24775	7.78645	60.6288	61.8791	4.75	13	20.25	1	24	-0.105025	-0.95471	12

من الادوات الجيدة (Graphical summary)



>chose C1

