## **Box and Whisker Plot**

This example teaches you how to create a box and whisker plot in Excel. A box and whisker plot shows the minimum value, first quartile, median, third quartile, and maximum value of a

data set. Simple Box and Whisker Plot

1. For example, select the range A1:A7.

	А	В	С	D	E	F	G	Н	1
1	2								
2	4								
3	5								
4	8								
5	10								
6	12								
7	15								
8									

2. On the Insert tab, in the Charts group, click the Statistic Chart symbol.



3. Click Box and Whisker.







## Find min, max, Q1, Q2 and Q3 using Excel

The scores of 15 students in a mathematics test are as follows:

	37	60	24	55	81	67	62	82	
	95	32	53	80	77	91	88		
Step 1	Enter a	ll data	in Exc	el softv	vare pr	ogram	(as sho	wn in C	ol A)

Step 2: Rearrange the data in ascending order.



## Step 3: Find the Q1 by using the QUARTILE function: =QUARTILE.EXC (C2:C15,1)

Data	↓ 🗎 From	Table/	/Rang	e		All	Edit Links				
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Get & transform Data				Queries & connecti	0115		-	-OUARTILE(			
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	А	В		С	D		E	F		• 1	nove cursor to C1 and drag
1	37				24		54				until col C15
2	95				32	=Q	UARTILE(			ι	unul col C15
3	24				37		QUARTILE( <b>array</b> , qu	art)			
4	32				53						
5	53				55						Funct
0	55				60					• .	rype:
/	60				C7						=QUARTILE(C1,C15,1)
8	62				70				+		
9	/ه جح				//				-		
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12	01				02						
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Clipb	oard 🗔			Font	۲ <u>م</u>		Alignment	12	2	Oua	rtile O2:
E3	×	•	×	🗸 j	fx =QUARTILE	C1:C15,3)					Type:
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1	37			24	Quartile 1 Va	ue (Q1)		54		-	-yuakiiLE((1,013,2)
2	95			32	Quartile 2 Va	ue (Q2)		67	_		
3	24			52	Quartile 3 Va	ue (Q3)	=QUARTILE(C1:C15	,3)	_	Qua	rtile Q3:
5	53			55					_		Type:
6	55			60							
7	60			62							=QUARTILE(C1,C15,3)
8	62			67							
9	67			77							
10	77			80					_		
11	80			81							
12	81 82			82					_		
14	88			91					_		
15	91			95							
16											
17											

• move cursor to column E1

	v N						
CI	ipboard 🛛		Font		Alignment		
E6		•	×	fx =MAX(C1:C1	15)		
	А	В	С	D	E		F
1	37		24	Quartile 1 Val	lue (Q1)	54	
2	95		32	Quartile 2 Va	lue (Q2)	67	
3	24		37	Quartile 3 Va	lue (Q3)	81.5	
4	32		53				
5	53		55	Minimum Value		24	
6	55		60	Maximum Value	=MAX(C1:C15)		
7	60		62				
8	62		67				
9	67		77				
10	77		80				
11	80		81				
12	81		82				
13	82		88				
14	88		91				
15	91		95				
16							
47							