Using Excel stock chart to graph confidence intervals

Columns should be in the order upper limit of interval, lower limit of interval, sample median. Initially there will be a marker on the sample median, and this may be deleted to show only the bar for the interval. Select the default stock chart graph.
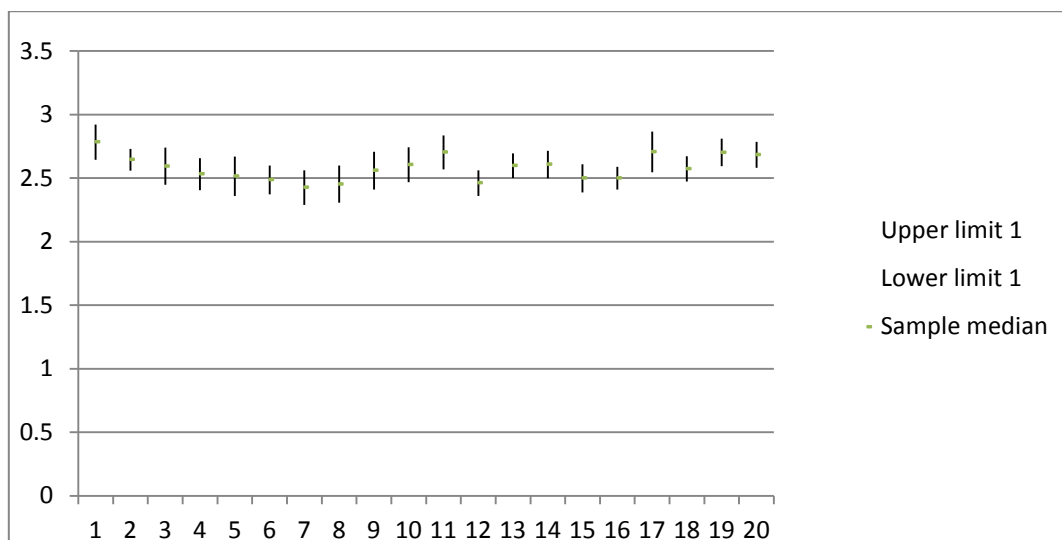
For example, a few rows of spreadsheet:

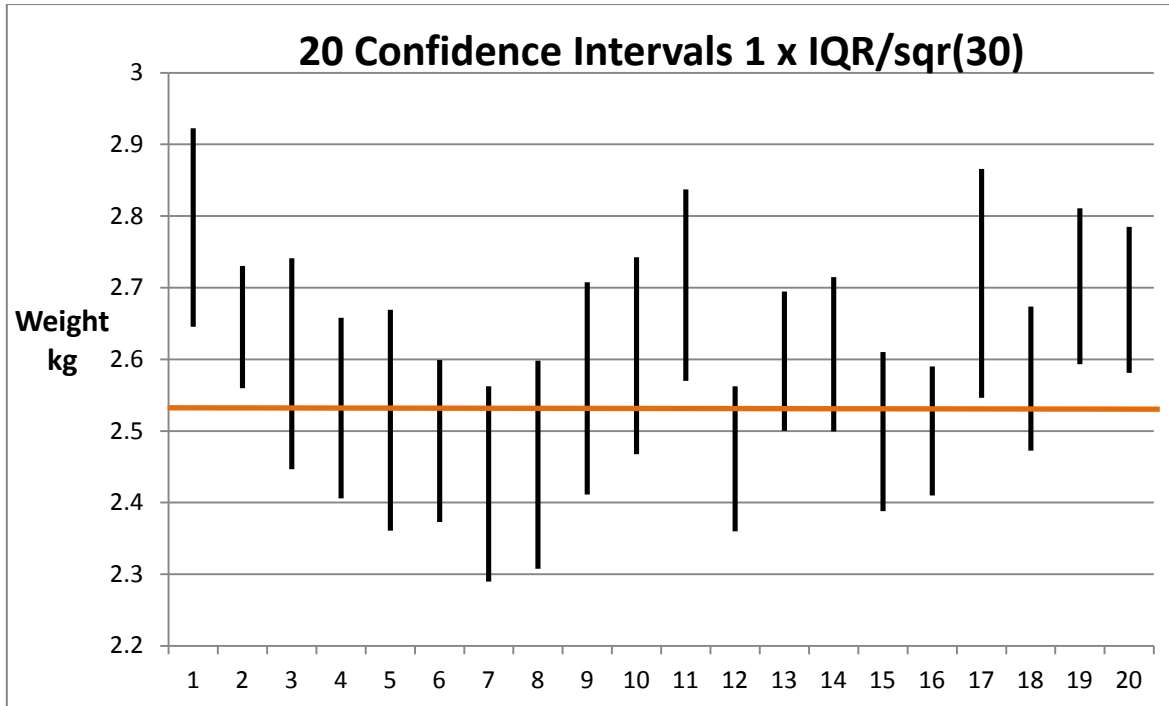| Upper limit 1	Lower limit 1	Sample median
2.922391233	2.645608767	2.784
2.730444719	2.559555281	2.645
2.741154794	2.446845206	2.594
2.658158762	2.405841238	2.532
2.669275187	2.360724813	2.515

Spreadsheet showing formulas, graph of columns C, D and E:

	A	B	C	D	E
1	Sample median	IQR	Upper limit 1	Lower limit 1	Sample median
2	2.784	0.758	=A2+B2/SQRT(30)	=A2-B2/SQRT(30)	2.784
3	2.645	0.468	=A3+B3/SQRT(30)	=A3-B3/SQRT(30)	2.645
4	2.594	0.806	=A4+B4/SQRT(30)	=A4-B4/SQRT(30)	2.594
5	2.532	0.691	=A5+B5/SQRT(30)	=A5-B5/SQRT(30)	2.532
6	2.515	0.845	=A6+B6/SQRT(30)	=A6-B6/SQRT(30)	2.515

Initial stock chart graph, no title, automatic axes, no alterations:

Add titles, edit vertical axis and delete legend.

I set minor gridlines to 0.01, then displayed major and minor gridlines and used the minor gridlines to draw a line at 2.53 kg (to represent population median weight), then reverted to displaying only the major gridlines.

20 Confidence Intervals 1 x IQR/sqr(30)

Any features of the graph can be edited eg lines on this graph are 2.25 points instead of the default 0.75 points.

Draw in the population median line.