

Trancript: Live Boxplots

Boxplots are a way to display the five number summary.

We talked about that before, the min, Q1, median, Q3 and Max.

If we do the calculations here, this one turns out to be just a potential outlier and these two turn out to be extreme.

What we can see in the boxplot is very nice because it shows us the whole five number summary, outliers. Gives us a pictorial representation of the IQR and a pictorial representation on the range. So lots of stuff boiled into one plot.

One thing to comment on, in histograms big means more. Here big means more spread out. The same amount here - as here - as here - as here. It's all 25 percent so this is where the bars would be tall in the histogram because I'm squishing 25 percent of the data into a little teeny thing.

And so when you get around to the point where you're comfortable in the software doing both histograms and boxplots then you can start seeing that. Here's a histogram, here's a boxplot - ask yourself how are these two things showing me exactly the same information in a different way.

As one issue where, you know, big means more - that's kind of like an immediate reaction that we have when we see stuff and here it's the reverse of that and you just have to be careful.