



Vertical reference lines plotted at 1st, 10th, 20th, 50th, 80th, 90th, and 99th percentiles of fitted distribution
 Horizontal reference line plotted at spec minimum, 40 ksi

Shown above is the plot I am trying to recreate. Now that I review this plot more closely it is clear that I was incorrect about the various quantiles I need to plot as the x-axis or as vertical reference lines: these are from a normal distribution function fitted to the data if I understand the caption of this correctly.