

Kanban Systems Improvement

Worksheet “Lead time distributions”



Step #1: How to make a distribution



Please, watch the 11:30 min video “How to make a histogram with class boundaries”.

https://youtu.be/Vei_IPLUdVc

Step #2: Calculate the classes and frequencies

Using the sample data provided below (lead times in days), calculate **7** classes per the instructions in the video, and determine the frequency (number of occurrences).

Do not use Excel. Please use the space on the worksheet provided and an old-fashioned pen.

10, 8, 8, 25, 22, 2, 39, 6, 10, 22, 9, 15, 18, 2, 22, 49, 10,
24, 3, 8, 1, 10, 22, 7, 6, 19, 4, 9, 17

Class width =

<i>Class Limits</i>	<i>Boundaries</i>	<i>Frequency</i>

Step #3: Draw the distribution

Using the classes and frequencies identified in step 2, now create the distribution chart.

Step #4: Working with the distribution

What can you observe from the chart you drew above?

What is the mean, the median, the mode, the maximum?



Watch this short video if you need a refresher:

https://www.youtube.com/watch?v=uHcmb0L-U_0

Imagine you start a new work item today in this system. The customer asks you when you will deliver it to them; what is your answer?