Program Used:

MatLab

Tutorial Used:

<https://www.mathworks.com/help/matlab/ref/plot.html>

A screenshot of a computer

Description automatically generated

A screen shot of a graph

Description automatically generated

JfreeChart and Apache:

<https://commons.apache.org/proper/commons-math/userguide/stat.html>

Using the StatUtils utility class:

1.2

// Compute statistics directly from the array

// assume values is a double[] array

double mean = StatUtils.mean(values);

double std = FastMath.sqrt(StatUtils.variance(values));

double median = StatUtils.percentile(values, 50);

// Compute the mean of the first three values in the array

mean = StatUtils.mean(values, 0, 3);

You can use this to do the smoothing