Plotter, Salter, and Smoother results (2 runs)

For this version I took both the same equation and the same ranges for them when I code it in java using Jfreechart and Apache Stats library. Even this time both runs the initial plotter graphs are remarkably similar to each other besides that the first run has (50 points) where the second run has (100 points). Where the graph starts to differ is when you start with salter and smoother to the point with the second run it gets very wide and then when it is smoothed out it becomes a straight line because possible I over did the window so that is caused that to happen.

**Plotter Graph 1**

Equation:

Range: 0-50 points

A graph with a red line

Description automatically generated

**Salter Graph 1**

Salted the y-values with a random range of 5 to 10

A graph with a red line

Description automatically generated

**Smoother Graph 1**

Smoothed the graph (5 points to the left and 5 points to the right of each x-value)

A graph with a red line

Description automatically generated

**Plotter Graph 2**

Equation:

Range: 2-100 points

A graph with a red line

Description automatically generated

**Salter Graph 2**

Salted the y-values with a random range of 2500 to 7500

When I tried to run this with my current code it caused an index error and was not able to fix it before being able to submit it. It still generated the excel file that is how I was able to get this graph for it.

**Smoother Graph 2**

Smoothed the graph (6000 points to the left and 6000 points to the right of each x-value)

When I tried to run this with my current code it caused an index error and was not able to fix it before being able to submit it. It still generated the excel file that is how I was able to get this graph for it.