```matlab
 %data set
data = [1.0, 3.0, 5.0, 7.0, 9.0, 11.0];

%creating graph & plotting data set
plot(data);
title('Plot Data');
xlabel('X');
ylabel('Y');

%salting data
saltData = data + 2.0;
figure;
plot(saltData);
title('Salt Data');
xlabel('X');
ylabel('Y');

%setting window
windowSize = 5;

%smoothing data
smoothData = zeros(size(data));
for i = 1:length(data)
    indices = max(1, i - windowSize):min(length(data), i + windowSize);
    smoothData(i) = mean(data(indices));
end
figure;
plot(smoothedData);
title('Smooth Data');
xlabel('X');
ylabel('Y');
```
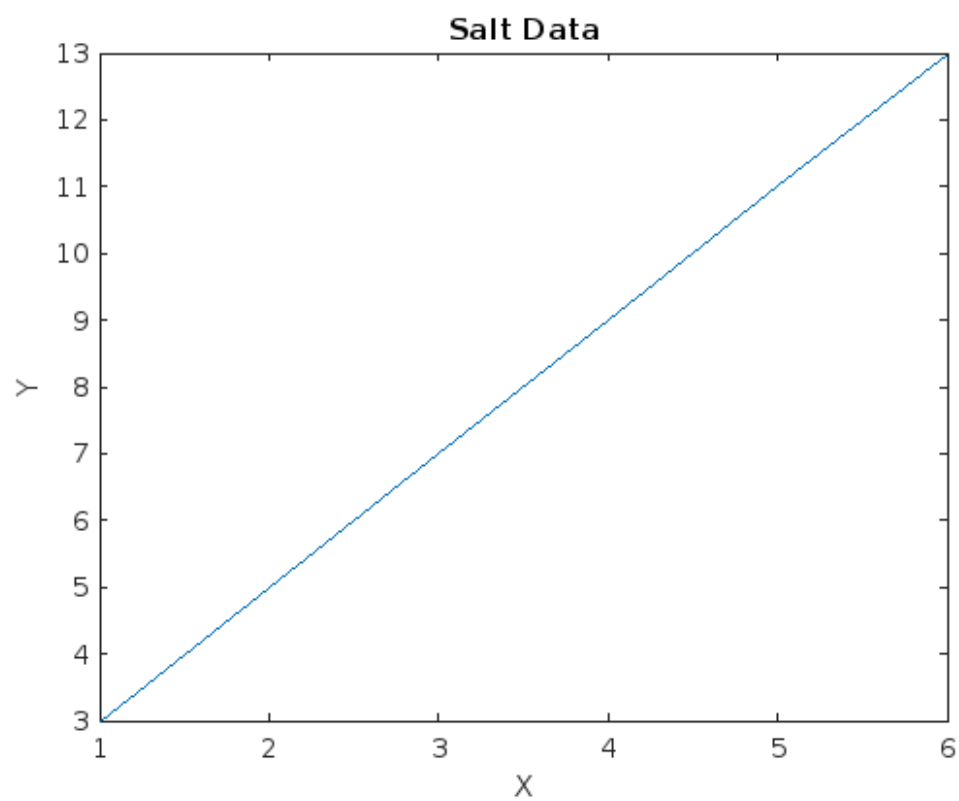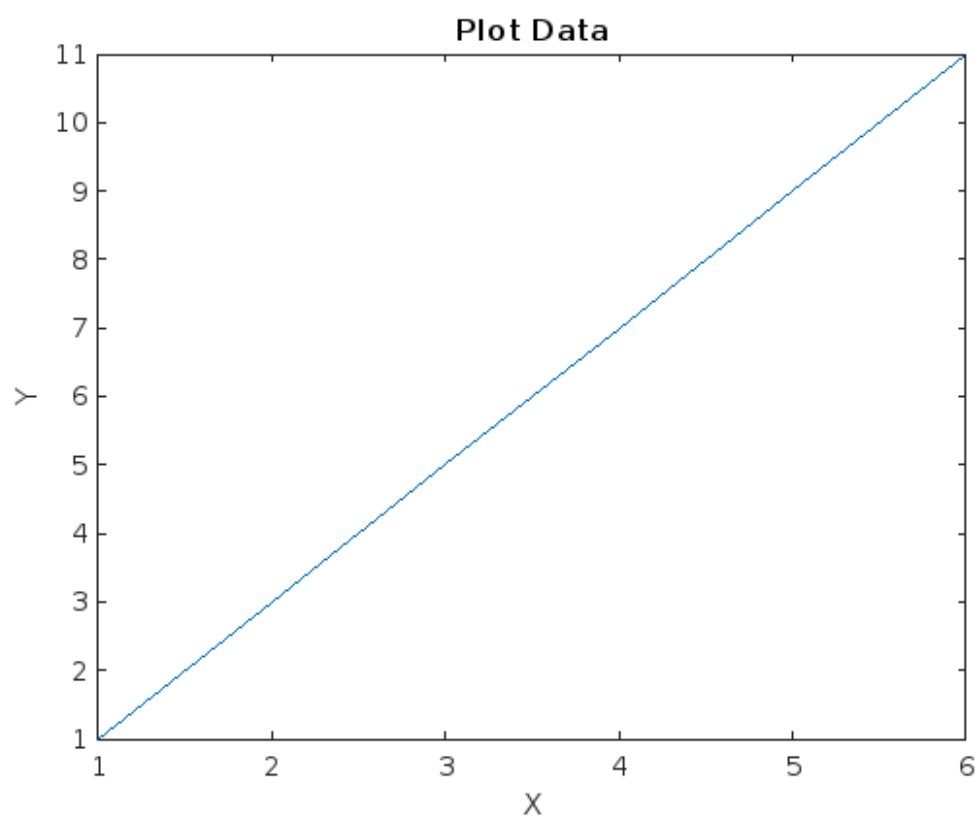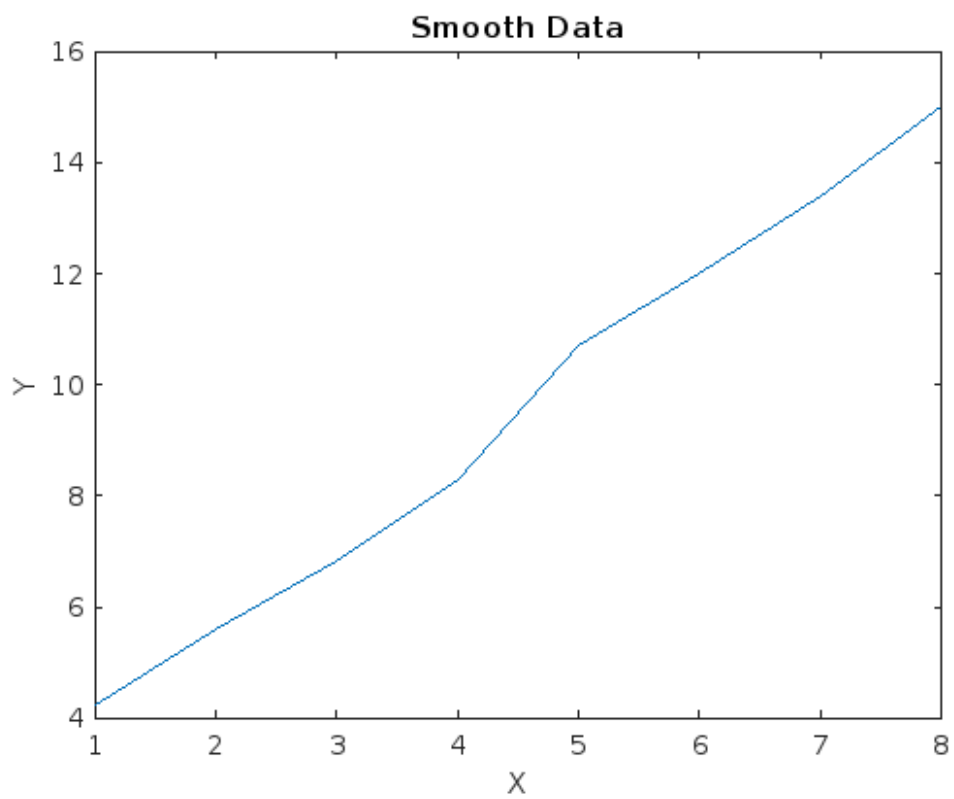
Plot Data

Salt Data

Smooth Data

Published with MATLAB® R2023a