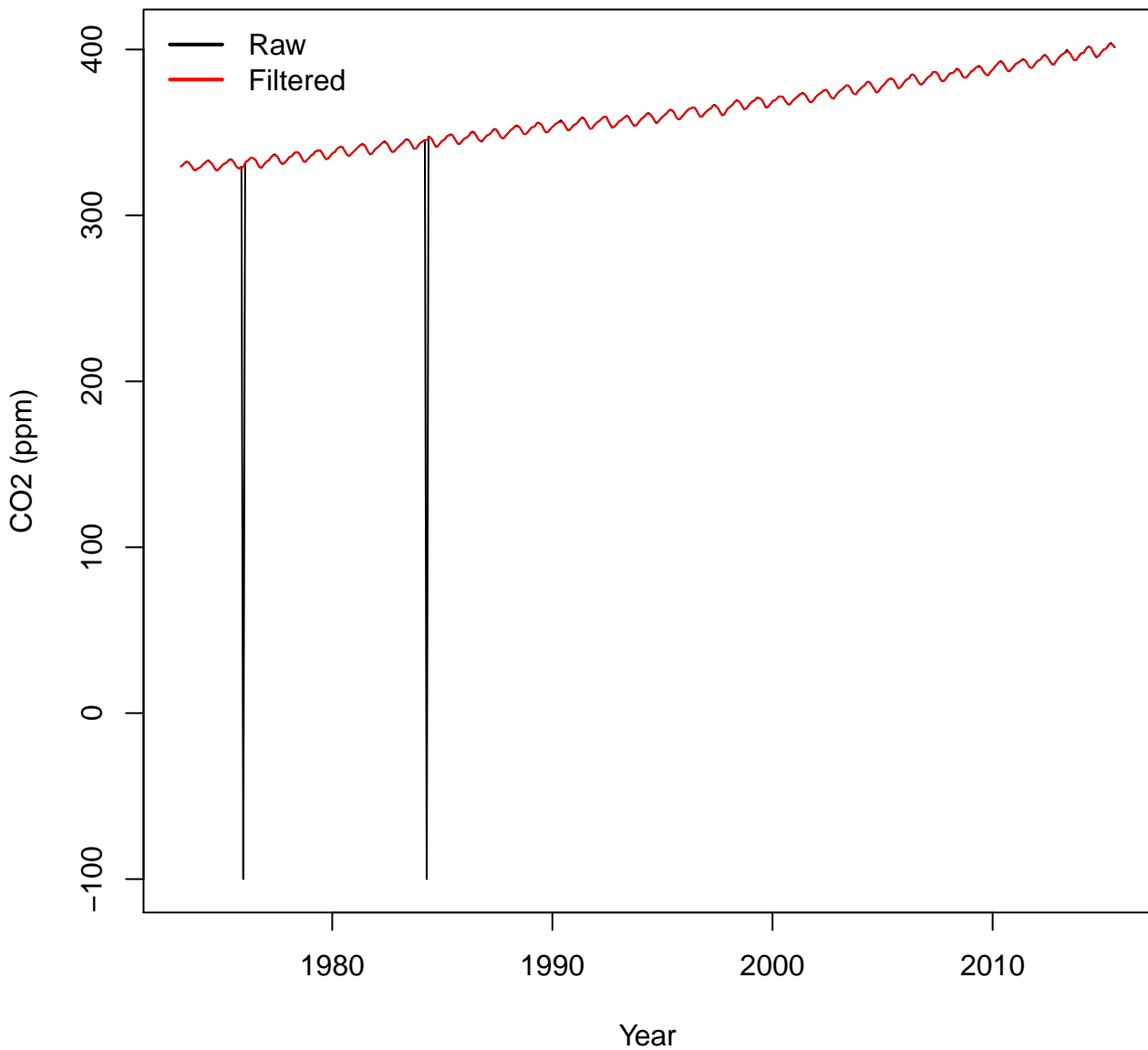
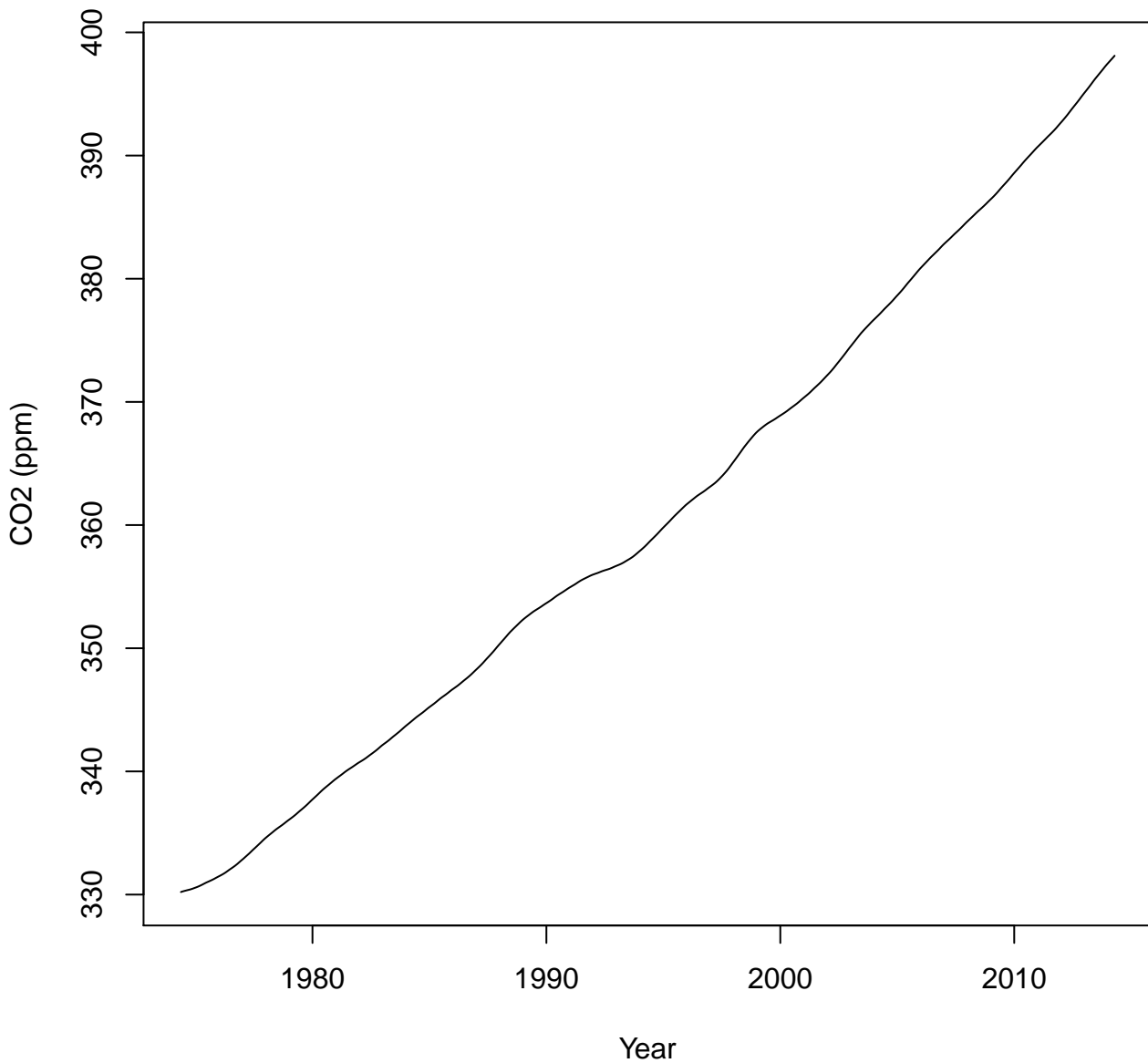


Jake Graham  
DSP Lab 4

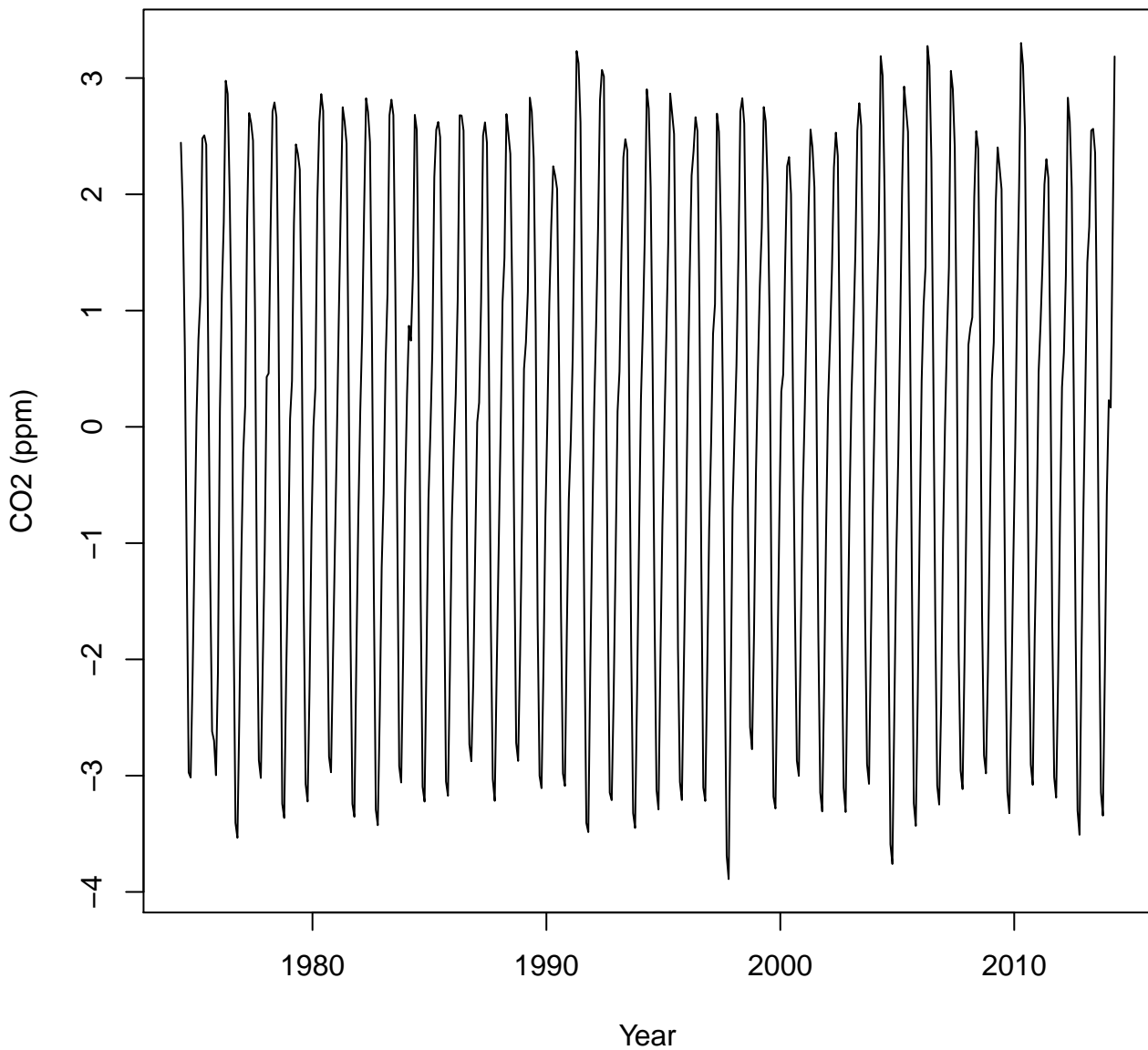
Q1



**Q2**



**Q3**



Q1: The median filter applies a filter that takes the median of the data point's neighbors. No, this is a nonlinear filter. No, you could not recover the signal. The peaks are decreased and the troughs would increase.

Q2: All the points but the midpoint would be zero, the midpoint would be 1. You would get the original input signal.

Q3: