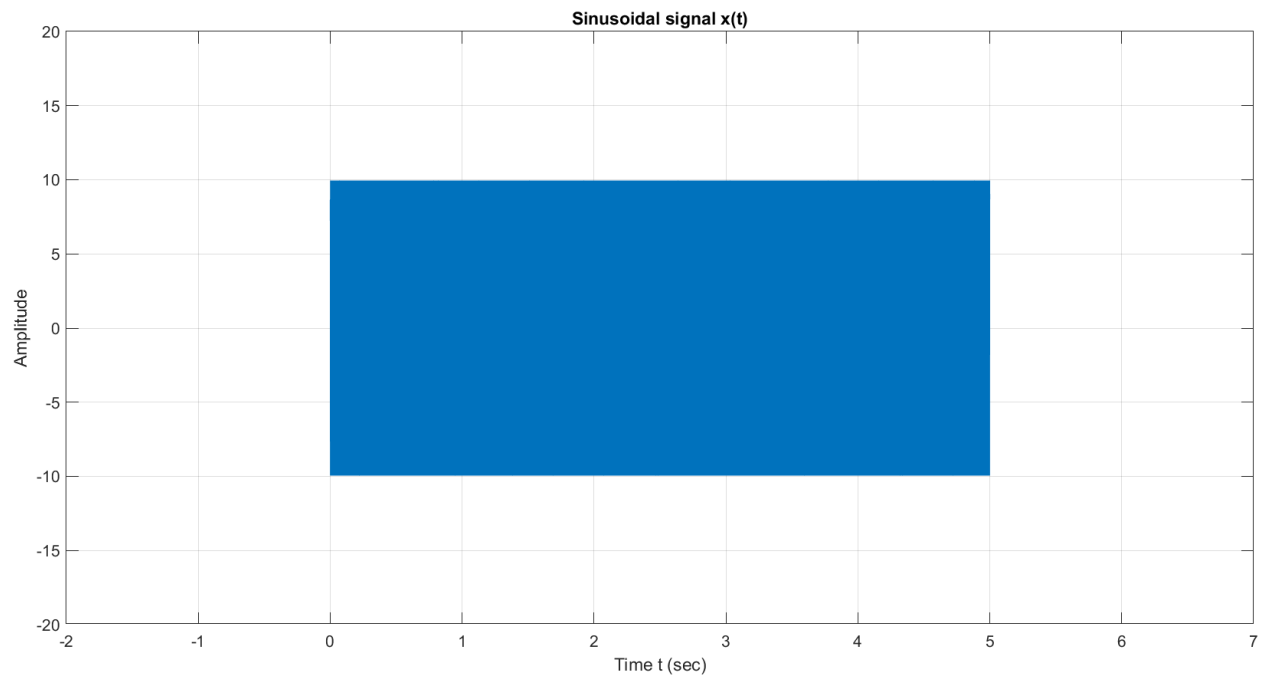


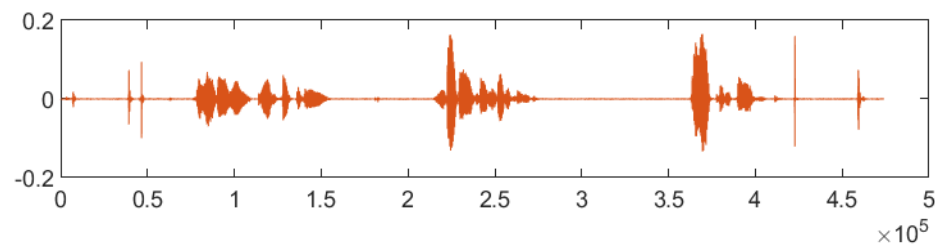
## Part 1



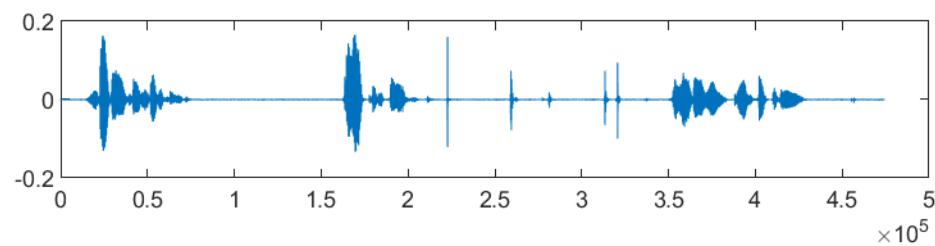
In changing the sps, the tone would vary. Increasing the sps would produce a lower sounding tone while decreasing the sps produced a higher sounding tone.

## Part 3

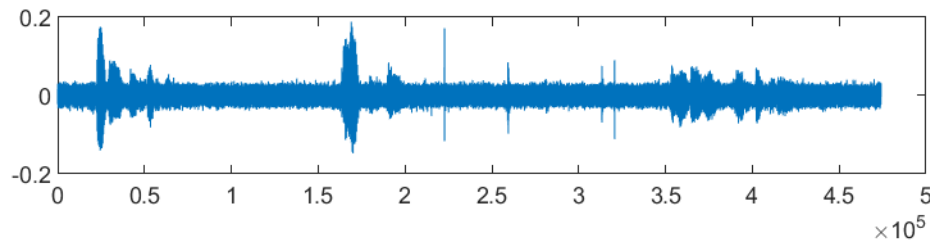
Original:



Speech editing:



Speech degradation:



In analyzing the difference between the original and the speech edited version, the edited version is the mirror image of the original. This makes sense as the audio is shifted around in the opposite order.

In analyzing the difference between the edited version and the degraded version, the degraded version looks just like the edited version except there is sound at every point of  $t$ . This makes sense as the extra noise is heard more when I am paused between speaking.