Reprot

Go to src and launch : demo.py
Which generate 4 files : clean_speech.wav : original version of a clean speech signal
noisy_speech.wav : noisy version of the speech signal
denoising.wav : denoised version of the noisy speech that does not make use of Voice Activity Detection
VAD+denoising.wav : denoised version of the noisy using both Voice Activity Detection and Wiener filtering

Describe :src/speech.
Data.py #read and write ,split frames
Process.py #contains compution and denoising algo
Vad.py #VAD modues
Evaluate.py #compution between clean and recovered sig, compution of psoteriori SNR

Report.ipynb
Vad.ipynb

Techniques :
Wienner filtering
Noise Power Spectral
VAD-Voice Activty Detector
ref : Inspired from https://github.com/LCAV/easy-dsp/blob/master/algorithms/vad.py

Evaluation :
A psoteriori SNR