# REPORT :

1.  I tried to do the given task in 2 ways :
    - Using Pytorch
    - Using CNN
2.  First i just tried to get familiar with the TSRC challenge.
3.  I checked many notebooks and tried figuring out what else i can do which can help improve the accuracy.
4.  Pytorch notebook :
    - I tried to explore the data and plotting it using matplotlib.
    - Then i created a datamap and a dataframe.
    - Next i tried to create a data batch.
    - I trained the model on batched data.
    - 96% accuracy on training set.
5.  CNN Notebook
    - I tried to plot the data in more detail.
    - Then i tried to modify the data using pad audio and chop audio functionalities.
    - I then sampled the data
    - Trained the data on training set.
    - 97 % accuracy on the training set.