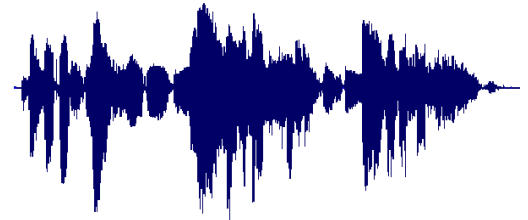# NotiSound Pipeline
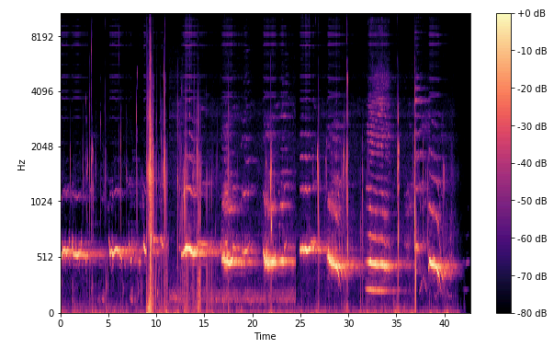
Time Series Data Microphone Data

300ms window size
100ms window offset
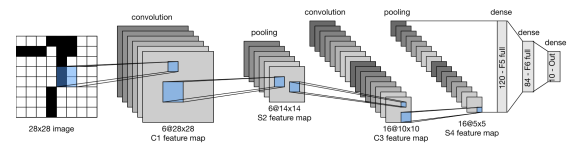44100Hz samplig frequency

Mel filter bank energy features (MFE)

Mel filter bank energy features (MFE)

Convolutional Neural Network

Realtime sound classification on the Raspbery Pi Zero
locally and notification triggering

Notifcation triggered on Smartphone