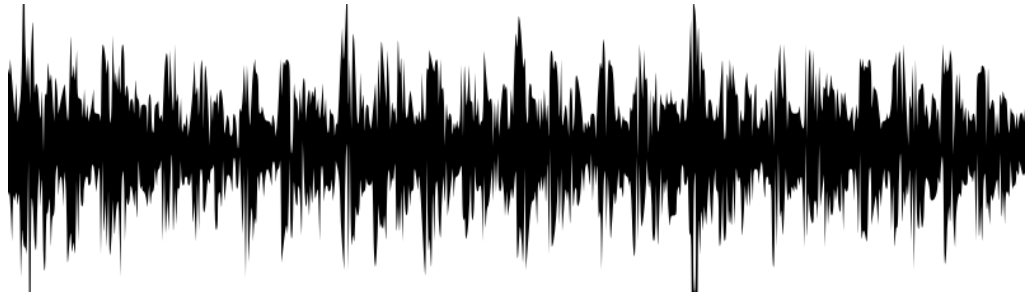# Counter UAV Radar

July 07, 2019

# Purpose of the project

Which object represented for this sound file?



RADAR's *.wav file [1]

[1] https://www.kisscc0.com
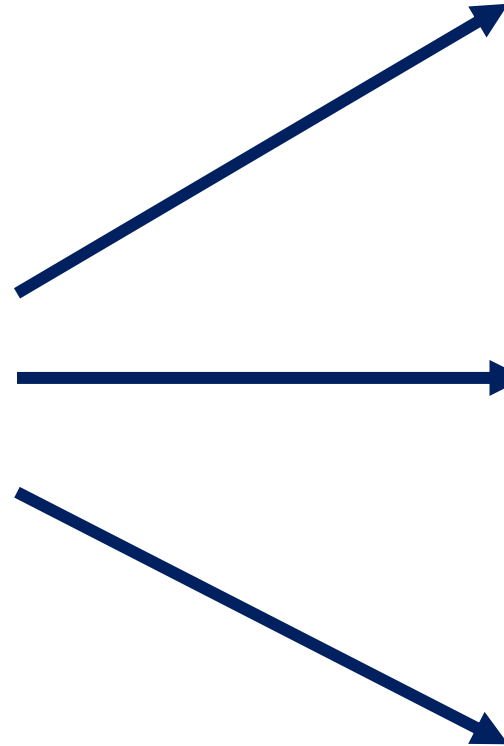
# Approach: Neural Network

|  | **Convolutional NN** | **Recurrent NN** |
|---|---|---|
| Training characteristic | Images | Sequential data (text, sounds) |
| Architecture | INPUT - CONV - RELU - POOL - FC | LSTM, GRU |
| Example | https://colab.research.google.com/github/tensorflow/docs/blob/master/site/en/tutorials/keras/basic_classification.ipynb | https://www.youtube.com/watch?v=A2gyidoFsoI |
| Reference | http://cs231n.github.io/convolutional-networks/ | http://cs231n.stanford.edu/slides/2017/cs231n_2017_lecture10.pdf |