

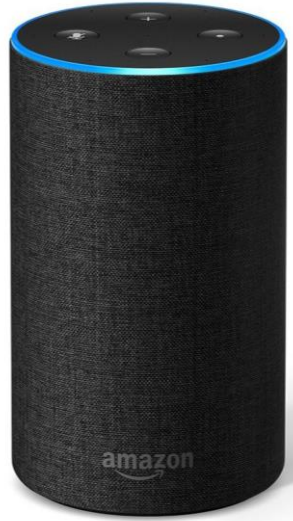


deeplearning.ai

Audio data

Trigger word
detection

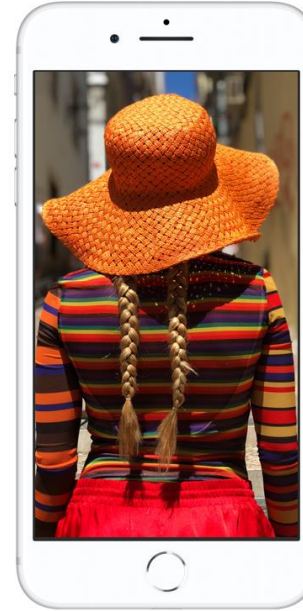
What is trigger word detection?



Amazon Echo
(Alexa)



Baidu DuerOS
(xiaodunihao)



Apple Siri
(Hey Siri)



Google Home
(Okay Google)

Trigger word detection algorithm

Now this type of labeling scheme for RNN could work, actually this work reasonably well.

One slight disadvantage of this is it creates a very imbalanced training set.

So a lot more zeros than ones.

So one other thing you could do that it's getting a little bit of hack but could make them all a little bit easy to train is instead of setting only a single time step to output 1,

