

Thinking Algorithm

How to Build Keras Environment

- You should have installed proper version of python
- Install pip using `easy_install @PYTHON_HOME/Scripts`

```
sudo easy_install pip
```

- Install numpy, scipy, theano and keras

```
sudo pip install numpy
sudo pip install scipy
sudo pip install theano
sudo pip install keras
```

- Change backend of Keras to theano

```
vim ~/.keras/keras.json
#change "backend":"tensorflow" to "backend":"theano"
```

- Import keras in python to check in terminal, type in the following commands

```
python3
>>> import keras
```

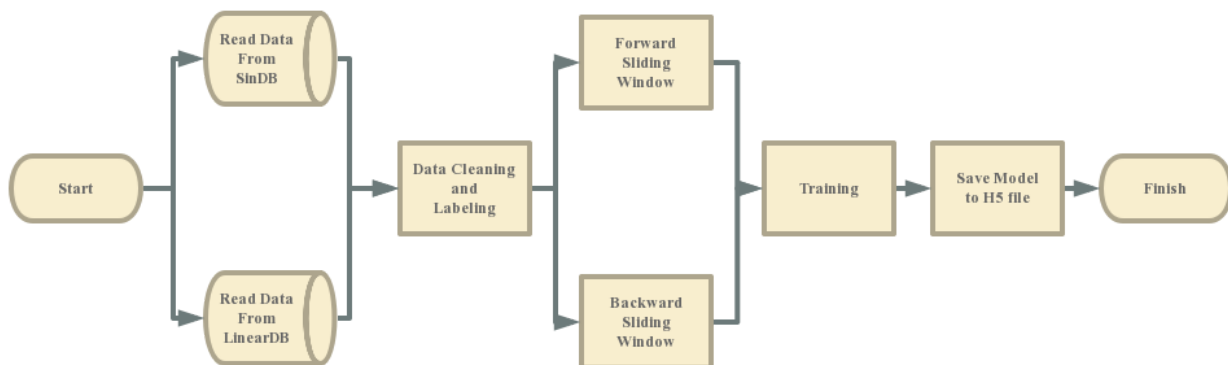
Setting up is done if there is error-free.

How to start the thinking algorithms

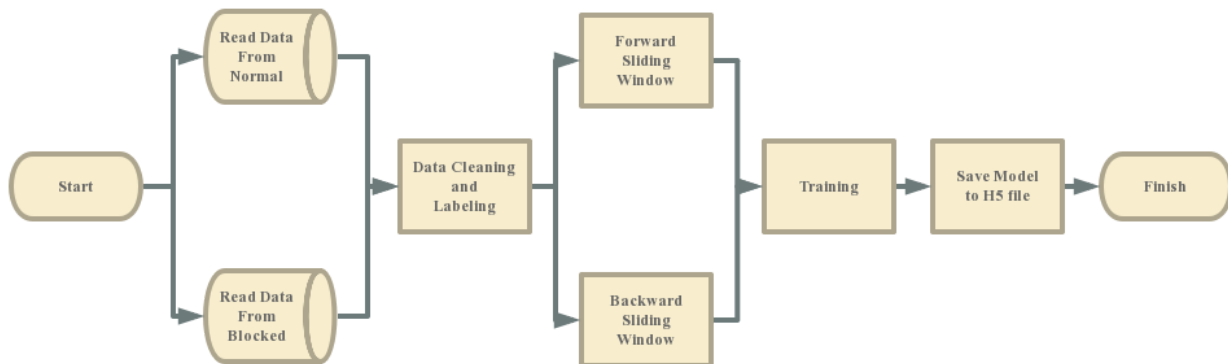
Open up a terminal, type `python3 main.py`. Done.

Training Process

Type Recognizing



Cut Blocking Detection



Thinking Process

