

Installing Keras in R

- The Keras library.

R / RStudio

Keras (has bindings to R,
Python)

TensorFlow, Theano, ...

Installation commands:

Please keep a log of how you are installing it take a screenshot when things go wrong. That way it is easier to help debug.

Make sure you have python3 on your system.

Install tensorflow (<https://tensorflow.rstudio.com/install>) – Follow instructions on this page. If the installation succeeded, then you should be able to run the command below and observe similar-looking output:

```
> tf$constant("Hello Tensorflow")
tf.tensor(b'Hello Tensorflow', shape=(), dtype=string)
>
```

IF YOU DO NOT GET THE ABOVE OUTPUT FROM `tf$constant`, STOP!



Let me or the TA know. Tensorflow has to be installed and operating before you install Keras. Send us the screenshot showing the problem, and the platform (Windows, Linux, Mac) that you are attempting the install on.

If all is well and you see the above output from `tf$constant`, proceed to next slide.

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Next, install keras. (<http://keras.rstudio.com>)

```
> remove.packages("keras") # May complain if not installed  
> install.packages("keras")  
> library(keras)
```

Now, load iris-nn.r in RStudio and run it. If all is well, you should see the neural network training itself.

If there are any errors, please email me and the TA.