
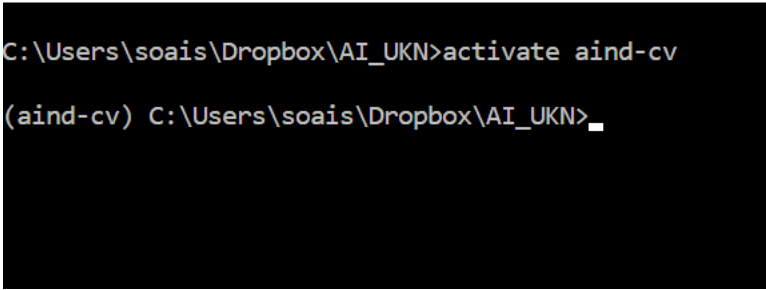


## How to setup an environment

1. Clone the github repo using command from a command prompt  
`"git clone https://github.com/nsanghi/AI_sessions_UKN.git"`
2. If you have already cloned in past, please pull new changes by going to the folder  
"AI\_Sessions\_UKN" (the place where you cloned it last time) and run command `"git pull"`
3. Create a new conda environment
  - a. From Command prompt go to folder "Day\_5" inside your local copy of the repo on your machine.
  - b. This folder has a file named "environment.yml"
  - c. Run command `"conda env create -f environment.yml"`
  - d. It will take few mins (5-10 min to 20-30 mins depending on internet speed) to download all required packages and create the new environment for you
  - e. Activate the environment using command `"activate aind-cv"`. "aind-cv" is the name of new environment created.

 Command Prompt




```
C:\Users\soais\Dropbox\AI_UKN>activate aind-cv  
(aind-cv) C:\Users\soais\Dropbox\AI_UKN>_
```

4. Run jupyter notebook using command `"jupyter notebook"`. It will open up a new browser window


5. Navigate to “Day\_5\Notebooks” and click any of the notebooks to open the notebook in a new tab.

Files	Running	Clusters	Conda
Select items to perform actions on them.			
Upload New ↻			
📁 / Day5 / Notebooks			
Name ⬆			Last Modified ⬆
..			seconds ago
📄 cifar10_cnn.ipynb			4 days ago
📄 cifar10_mlp.ipynb			3 hours ago
📄 StudentAdmissionsKeras.ipynb			3 hours ago
📄 environment.yml			4 days ago
📄 MLP.weights.best.hdf5			4 days ago
📄 model.weights.best.hdf5			4 days ago
📄 student_data.csv			a month ago

 jupyter


StudentAdmissionsKeras

Last Checkpoint: Last Wednesday at 11:48 AM (autosaved)

 Logout

File Edit View Insert Cell Kernel Widgets Help

Trusted Python [conda env:aio-d-cv]



## Predicting Student Admissions with Neural Networks in Keras

In this notebook, we predict student admissions to graduate school at UCLA based on three pieces of data:

- GRE Scores (Test)
- GPA Scores (Grades)
- Class rank (1-4)

The dataset originally came from here: <http://www.ats.ucla.edu/>

This notebook is a slightly modified version of original source - [Udacity DeepLearning](#)

### Loading the data

To load the data and format it nicely, we will use two very useful packages called Pandas and Numpy. You can read on the documentation here:

- <https://pandas.pydata.org/pandas-docs/stable/>
- <https://docs.scipy.org/>

## 6. Change your kernel if required (VERY IMP)

Navigate to “Kernel”->”Change Kernel” and chose “aind-cv”. This will ensure that the environment used to run your notebook is “aind-cv” which has all the required libraries.

