IE-345 - K "Introduction to Deep Learning: Fundamentals Concepts"

INSTALLATION OF ENVIRONMENT MANAGER MINICONDA

1. Download MiniConda from the following link.

   ● https://docs.conda.io/en/latest/miniconda.html

2. Download Pyhton 3.7, after execute as administrator, and following the steps.

   ● Next
   ● I agree
   ● Just me (recommend) --- Next
   ● Choose one destination where you want to install --- Next
   ● In the next window is recommendable choose the second option "Register Anaconda as my default Python 3.7", and click on Install.
   ● Wait for some minutes.

3. After install MiniConda, open the Miniconda Prompt and type the following commands:
   ● Create the environment of TensorFlow with Python 3.6, because TensorFlow doesn´t currently support Python 3.7, so put in the Miniconda Prompt this:
     ○ **conda create --name tensorflow** [1] **python=3.6**

   ● Wait some minutes, and when the Prompt ask you **Proceed(y/n)**, type **y**
   ● After install the environment of TensorFlow, type in the Prompt:
     ○ **activate tensorflow**

   ● With this command you can work in the environment of TensorFlow, next we install some important package to work, when the Prompt ask you **Proceed(y/n),** always type **y**:
     ○ **conda install scipy**
     ○ **pip install --upgrade sklearn**
     ○ **pip install --upgrade pandas**
     ○ **pip install --upgrade pandas-datareader**
     ○ **pip install --upgrade matplotlib**
     ○ **pip install --upgrade pillow**
     ○ **pip install --upgrade request**
     ○ **pip install --upgrade h5py**
     ○ **pip install --upgrade psutil**
     ○ **pip install --upgrade tensorflow==1.12.0**
     ○ **pip install --upgrade keras==2.2.4**

   ● Finally we can install the jupyter notebook like work environment:
     ○ **conda install jupyter**

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[1] You put any name instead of tensorflow, for example Unicamp, Pedro, etc, but always remember this name when you activate the environment.
   ● **conda create --name Unicamp python=3.6**
   ● **activate Unicamp**

NOTE: Always when you work in this software is recommendable open the Prompt and type:

- activate tensorflow   # "For activate the environment"
- jupyter notebook   # "For open the Jupyter Notebook

For more information we can use the following installation tutorial:
https://www.youtube.com/watch?v=59duINoc8GM

[1] You put any name instead of tensorflow, for example Unicamp, Pedro, etc, but always remember this name when you activate the environment.
- **conda create --name Unicamp python=3.6**
- **activate Unicamp**