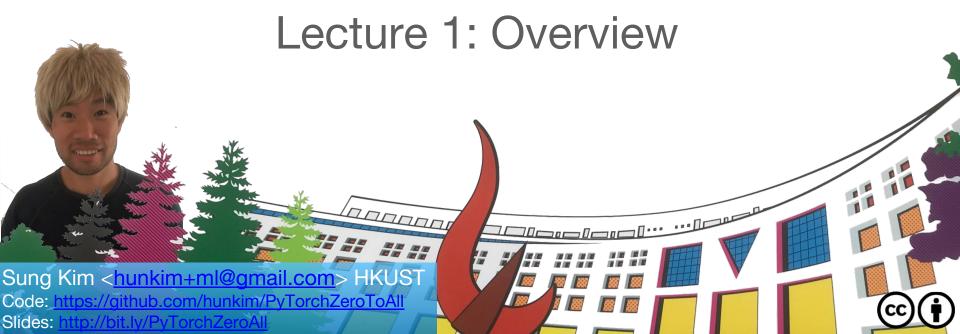
ML/DL for Everyone with PYTORCH



Call for Comments

Please feel free to add comments directly on these slides.

Other slides: http://bit.ly/PyTorchZeroAll





for your comments!

- Kyung Mo Kweon
- JooSung Yoon
- jungho choi
- 나로
- ...

ML/DL for Everyone with PYTORCH

Lecture 1:Overview



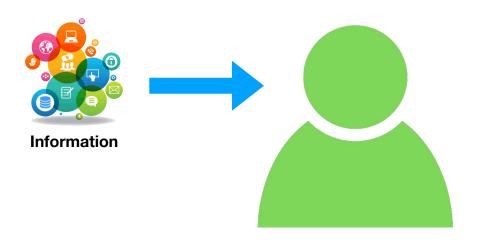
What is ML?



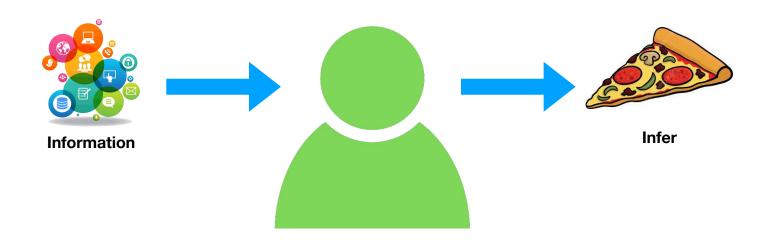
What is Human Intelligence?



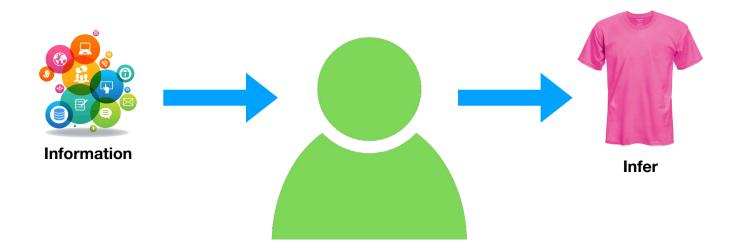
What is Human Intelligence? What to eat for lunch?



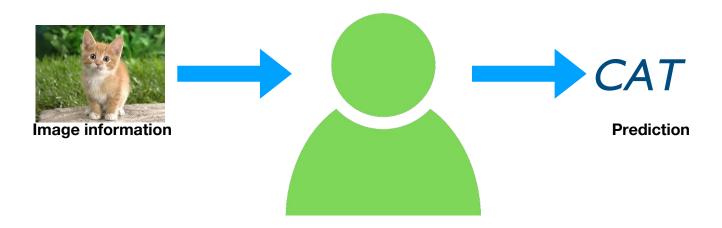
What is Human Intelligence? What to eat for lunch?



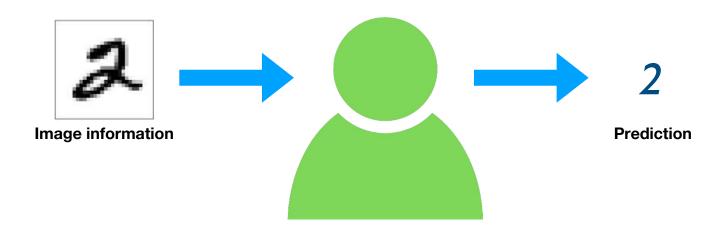
What is Human Intelligence? What to dress?



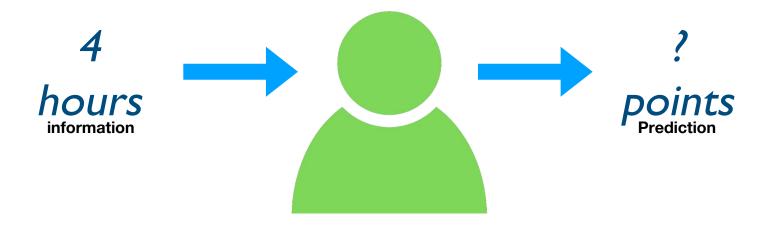
What is Human Intelligence? What is this picture?



What is Human Intelligence? What is this number?



What is Human Intelligence? What would be the grade if I study 4 hours?



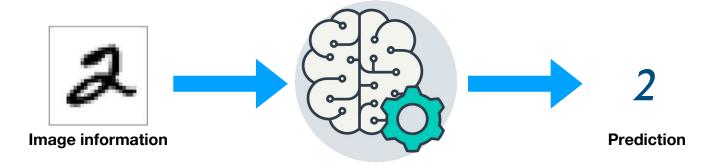
Machine Learning What to dress?



Machine Learning What is this picture?



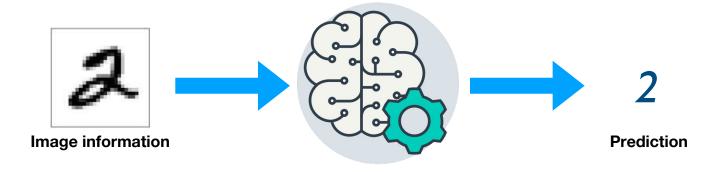
Machine Learning What is this number?



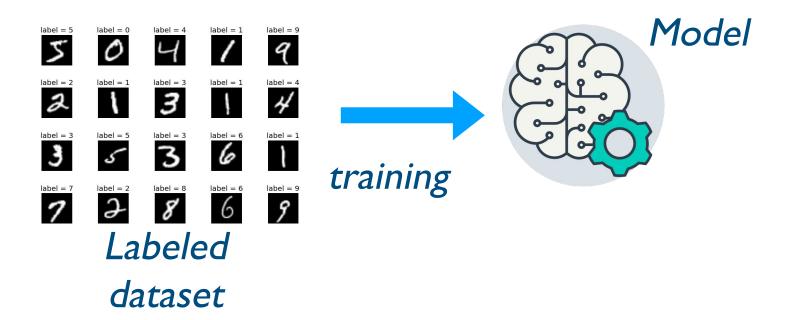
Machine Learning What would be the grade if I study 4 hours?



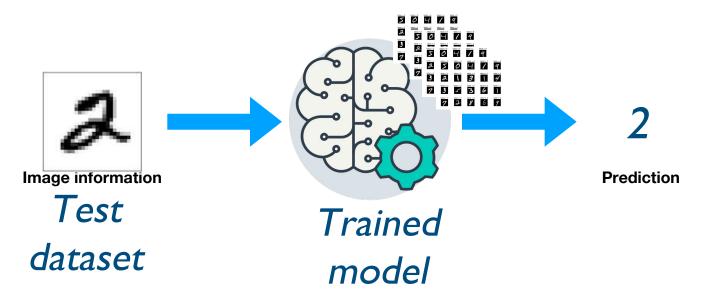
Machine Learning Machine need lots of training



Machine Learning Machine need lots of training



Machine Learning Predict (test) with trained model



Machine Learning

What would be the grade if I study 4 hours?



Hours (x)	Points (y)
1	2
2	4
3	6
4	?

Training dataset

Test dataset

Install PYTORCH



Get Started.

Select your preferences, then run the PyTorch install command.

Please ensure that you are on the latest pip and numpy packages.

Anaconda is our recommended package manager



Run this command:

 $pip 3 in stall \ http://download.pytorch.org/whl/torch-0.2.0.post 3-cp 36-cp 36m-macosx_10_7_x86_64.whl pip 3 in stall \ torchvision$

OSX Binaries dont support CUDA, install from source if CUDA is needed

Exercise I-I: Install PyTorch on your computer!

```
09:40 $ python3
Python 3.6.2 (v3.6.2:5fd33b5926,Jul 16 2017, 20:11:06
[GCC 4.2.1 (Apple Inc. build 5666) (dot 3)] on darwin
Type "help", "copyright", "credits" or "license" for more information.
>>> import torch
>>> print(torch.__version__)
0.2.0_3
>>> # Happy!!
```



Lecture 2: Linear Model