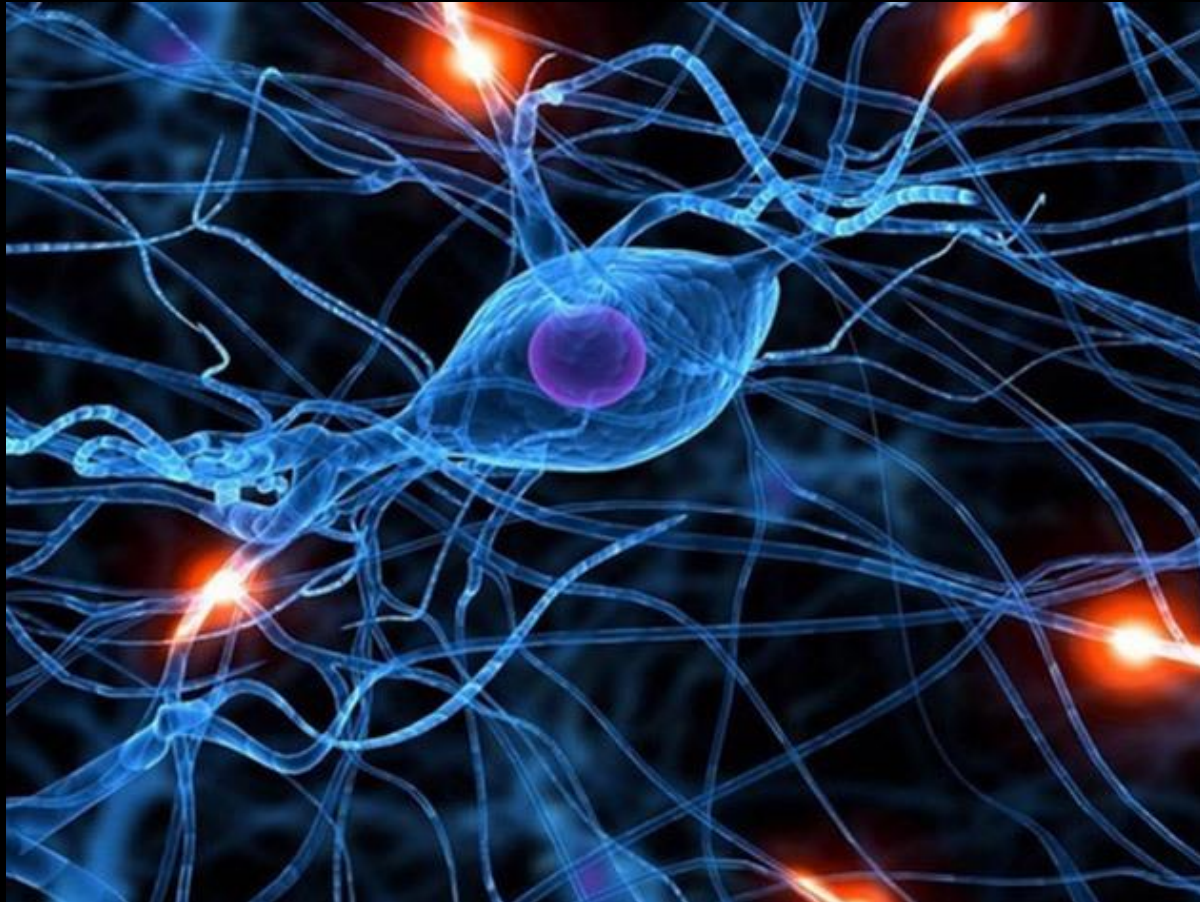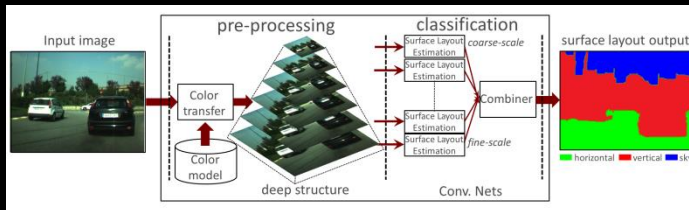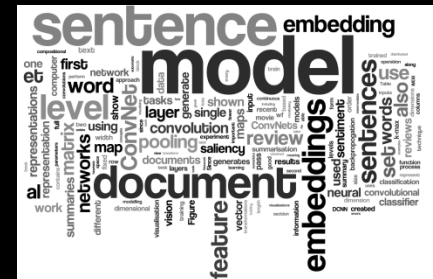# Deep learning reading group
Azim

Deep learning

- Exciting branch of machine learning
- Essential tool for solving complex problems
- State of art in :

Computer vision

Natural language processing

**University of Toronto Deep Learning Group
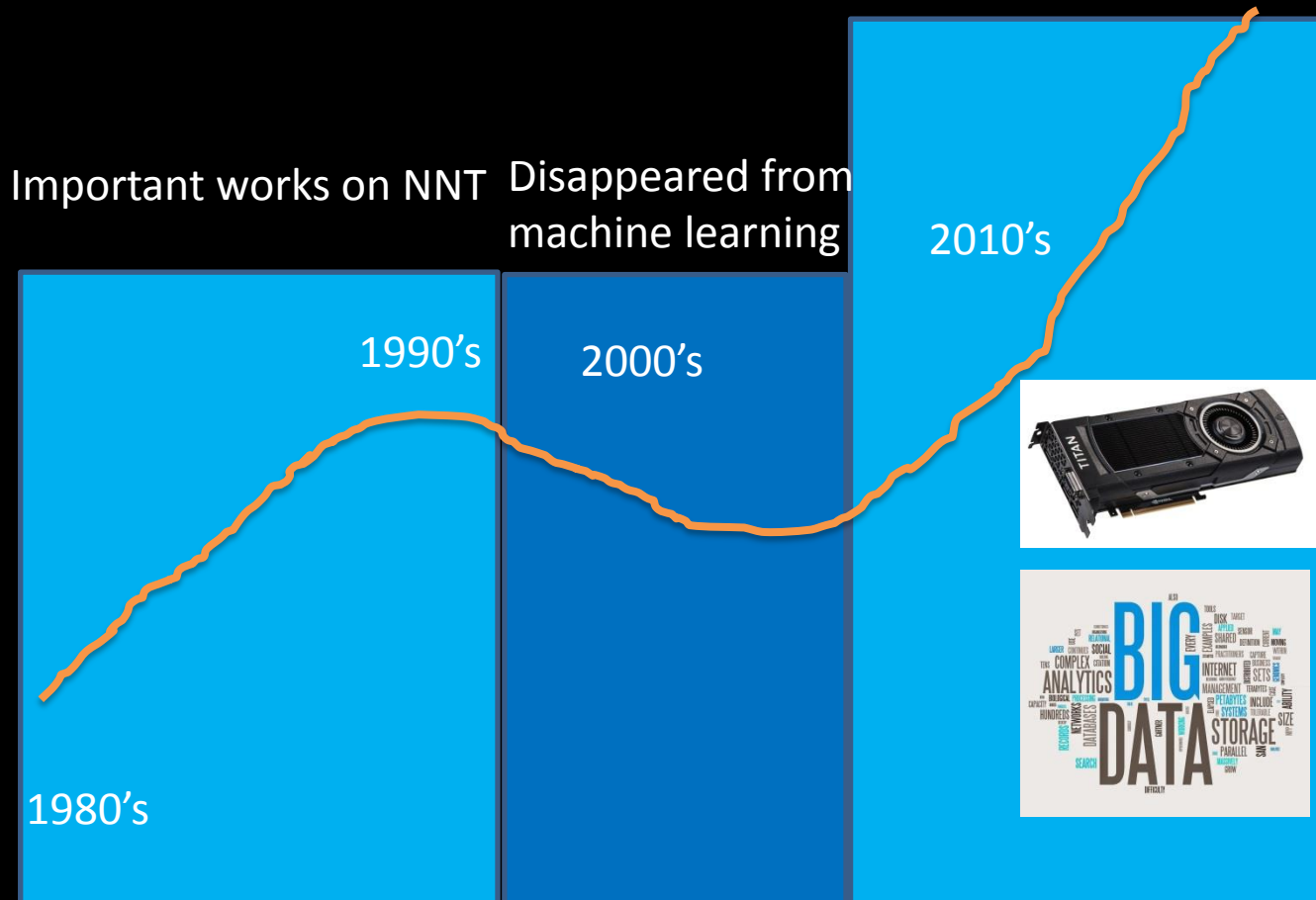won the Merck Drug Discovery Competition**

Discovering new medicine

Central part of machine learning tool kits in big companies

Shines when there are lot's of data and complex problems to solve!

NNT research trend

Important works on NNT

Disappeared from machine learning

2010's

1990's

2000's

1980's

Deep learning reading group

Organizers
- Lisa and Azim

Webpage
- https://csbioazim.github.io/DeepLearninggroup/

Doodle
- http://doodle.com/poll/zhuqzd2mvf4vrvng

Suggested Structure

Reference book

- Neural Networks and Deep learning (*Michael Nielson)*

- Deep learning (*Ian Goodfellow, MIT press)*

Suggested Structure

Neural Networks and Deep learning

- Basics starting from neural nets / convolutional neural nets
- One chapter on deep learning

Deep learning
- current and state of art Deep learning architectures

Suggested Structure

Date	Topic	Recommended reading	Slides	Speaker
03/03	Introduction to NNT	Chapter 1		Azim
17/03	?			?

In case you don't want to give a talk !

You buy pizza for the group !

Ideas and suggestions from your side !

Got an idea?
Tell us.

Thank you for your attention!