Biol 1555

Email/ talk to neil to show him we are doing things

Meeting 9am on May 11th for final presentations

Remaining chapters are about genetic and learning algorithms to do pattern recognition of different types

Deep Learning

Genetic Algorithms

**Machine learning**

Supervised -

Unsupervised algorithms - clustering

Kernel techniques

**Deep learning**

Unsupervised, neural network techniques

Pattern recognition (baby’s and birth, similar to new computers)

Can inject genetic algorithms into this learning

Algorithm will tell us who will live and who wont (etc. )

Can an algorithm tell us

if a patient will come to follow-up appointments?

Show up in the ER

Deep learning algorithms allow for re-computing, and reinforcements

Singularity principle

What is indicative of a well designed study?

UML = unified modeling languages

This is how you represent your computer systems?

Does this account for human computer interaction

Using neural networks for natural language processing takes accuracy from 70% 🡪 95%

What is the risk between disease and drug space

Drug repositioning

How can an approved drug built for one thing be utilized for another thing

How will a person’s genetic makeup effect these positive and negative side effects

Viagra