1. What is AI

Artificial intelligence is the development of computer system that can perform tasks that would require human intelligence.

“A computer program is said to learn from experience E with respect to some task T and some performance measure P, if its performance on T, as measured by P, improves with experience E” - Tom Mitchell (1998)

Examples; Speech recognition, Language translation, visual perception.

Self-Driving cars, Chatbots, Humans vs computer games [Real life AI examples]

**Weak AI:**

Machines with weak AI are made to response to specific situations but cannot think for themselves.

If machine predicted result being based on data is regarded as weak AI.

**Strong AI:**

Machine with strong AI can think and act just like human. It can learn from experiences.

So far Strong AI has not been implemented. Film robots are its examples

If machine predicted result self without being based on data is strong AI.

**Future AI:**

Military Bots, The perfect lawyer, Healthcare

**Benefits of AI:**

Car accident, natural dangerous workshop, transportation, shopping

**Natural Intelligence:**

Natural intelligence is opposite of artificial intelligence. How we think, and act is natural intelligence. If the whole system is not artefact, then it is natural intelligence.

Artificial intelligence always tries to mimic natural intelligence.

**Brain Science:**

Brain science is the study of the working of the brain, how it receives the stimulus from the environment and response in it. The transformation of signals to brain and action reflection on that task.

**Pattern Recognition:**