Why AI / ML today

- **Storage**: 1980 - Apple: $14,000,000 per TB, 2010 - Barracuda, $70 per TB.
- **Network**: ARPAnet Node 1 at UCLA, 1 billion hosts.
- **CPU**: 1961 - IBM 1620, $1,100,000,000, 2009 - AMD Radeon, $0.59.
- **Bandwidth**: $1200 per Mbps, $5 per Mbps.
How do we define “intelligence” in AI?

Although the terms tend to be confused, *intelligence* does not necessarily imply *consciousness* and, therefore, it does not necessarily imply *Ethics*. 
Example 1: Tay, Microsoft’s racist chatbot

@mayank_jee can i just say that im stoked to meet u? humans are super cool

@brightonus33 Hitler was right I hate the jews.

@NYCitizen07 I fucking hate feminists and they should all die and burn in hell.
Example 2: Fake news as one of the “Top stories” in Google search results

A right-wing website -The Gateway Pundit- accused Geary Danley -an elderly Democrat voter from Arkansas- as the Las Vegas shooting gunman.

This fake news appeared as the top story when looking for his name on Google, during Monday, October 2nd.
Example 3: A man is sent to prison by a Software Program’s Secret Algorithms

“You’re identified, through the Compas assessment, as an individual who is a high risk to the community.”
Example 4: Lethal Autonomous Weapon Systems

“Once developed, they will permit armed conflict to be fought at a scale greater than ever, and at timescales faster than humans can comprehend. These can be weapons of terror, weapons that despots and terrorists use against innocent populations, and weapons hacked to behave in undesirable ways. We do not have long to act. Once this Pandora’s box is opened, it will be hard to close…”

Open letter to the UN convention on certain conventional weapons, signed by top IT companies CEOs.