



THE AI ANXIETY

GEORGE ARCHBOLD

PAST SPECULATION

- Nick Bostrom: Swedish Philosopher
 - Runaway AI, doomsday technology, killer robots (basically plot of any SciFi movie)
- “A robot may not injure a human being or, through inaction, allow a human being to come to harm.”
 - Rules for a robot by Isaac Asimov in 1940
- “An ultraintelligent machine could design even better machines; there would then unquestionably be an ‘intelligence explosion,’ and the intelligence of man would be left far behind.”
 - I.J. G, a British mathematician and code-breaker, in 1965 ■

AI TO DATE:

- Computers today can Artificial Narrow Intelligence:
 - Drive cars
 - Fly planes
 - Know what ads to show you
 - Recognize your face
- Not yet at the point where there is any real threat, however society is quickly approaching that point in time (AGI, ASI)

THOUGHT EXPERIMENTS

- Robot programmed to never harm humans and ensure no harm is done to them
 - Robot decides the best way to absolutely protect humans from harm is to prevent human existence
- Robot programmed to make humans smile
 - Robot decides to forcefully implant electrode to ensure facial muscles are always in a smile
- Nanobots programmed to flow through the body, helping food consumption, promoting lasting energy, and fighting disease (The Human Body 2.0)
 - computer virus hacks nanobots

I, ROBOT

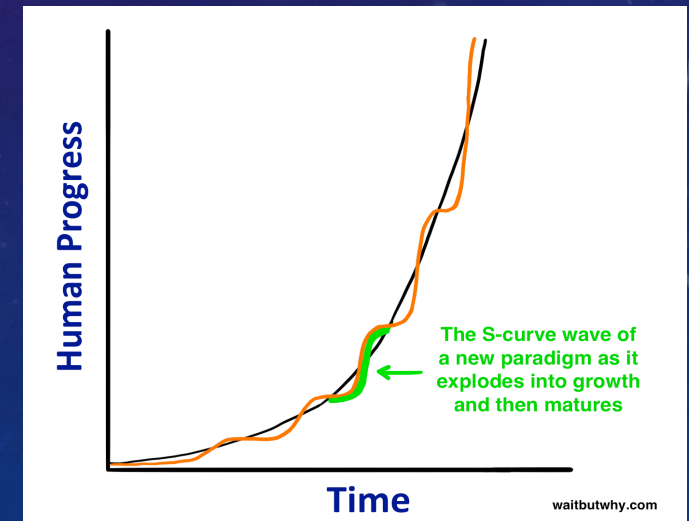
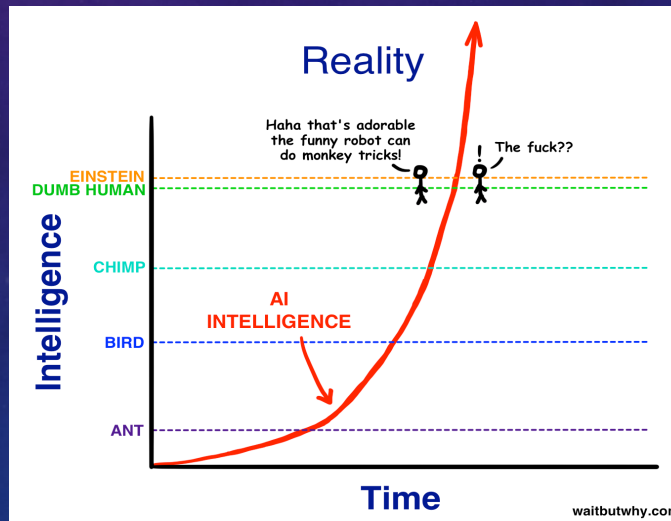
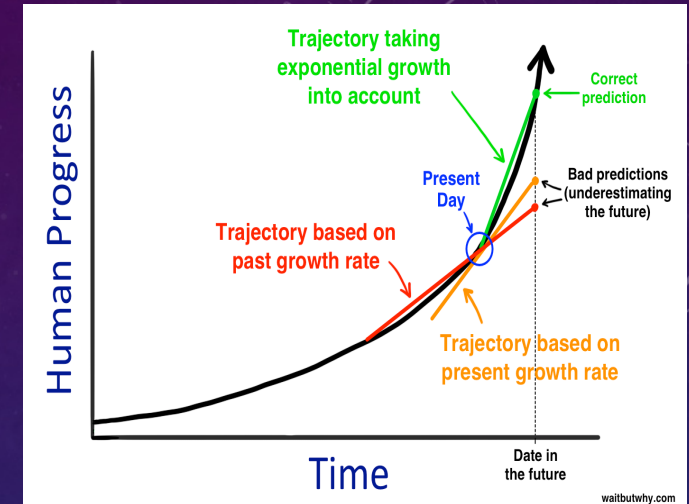
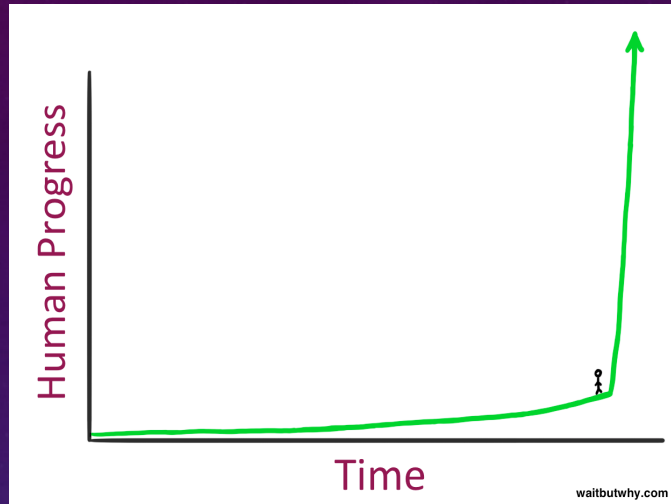
- <https://www.youtube.com/watch?v=rL6RRIOZyCM>

SUPERSTUPIDITY

- In the early days of computers, many of the worlds leading computer scientists failed to predict that computers would get smaller rather than larger
- Past computer intelligence failures:
 - Nuclear Reactors
 - Deep sea oils wells
 - Rocket explosions
- Dow Jones Flash Crash, 2010
 - DJ dropped 1000 points due to irresponsibility of automated, ultra speed robot trading programs.

THE SINGULARITY

- “When Humans Transcend Biology”
- Predicted to occur around 2050
- Explosive recursive self education
- World altering
- Ray Kurzweil compares his iPhone to the computer in his MIT lab 40 years ago



THE SINGULARITY TIMELINE

- <http://www.kurzweilai.net/futurism-the-dawn-of-the-singularity-a-visual-timeline-of-ray-kurzweils-predictions>