The Promise of Technology

- Ray Kurzweil: The Singularity
  - bigthink video
  - (7:09)
  - Colbert interview
  - (5:39)

Ray Kurzweil, *The Singularity Is Near* (New York: Penguin, 2006).

The Promise of Technology

- Ray Kurzweil: **The Singularity** (by 2045)
  "a future period during which the pace of technological change will be so rapid, its impact so deep, that human life will be irreversibly transformed."
  - A $1,000 computer with human brain capability by 2025.
  - Brain-machine interfaces.
  - Constant connection to the Web.
  - Nanbots.
  - Micro-assemblers to "print" anything.
  - Genetically engineered gender, vision, sexual preference, intelligence, disposition to anxiety, aggression, social interaction, happiness, …
  - Brain downloads/backups.
  - Never-ending life in non-biological substrates.
  - etc.

Ray Kurzweil, *The Singularity Is Near* (New York: Penguin, 2006).

The Promise of Technology

- Peter Diamandis: **Abundance**
  - TED video (16:11)

Peter H. Diamandis and Steven Kotler, *Abundance: The Future Is Better Than You Think* (New York: Free Press, 2012).

The Promise of Technology

- Peter Diamandis: **Abundance**
Within a generation (by 2035), technology will provide abundance for everyone on earth (9+ billion).
  - Water from conservation, bottled water, water purifiers, etc.
  - Food from genetic engineering, hydroponics, aeroponics, vertical farming, cultured meat bioreactors, etc.
  - Economic abundance from microinvestment, small-scale entrepreneurs, dematerialization, etc.
  - Energy from sun, wind, IVth generation nuclear, bio-oil, better batteries, smart grids, etc.
  - Education via self-organizing learning units, one-tablet-per-child, video games, YouTube, AI, etc.
  - Healthcare from cheap diagnostic systems, surgical robots, stem cell tissues, limbs, organs, etc.

Peter H. Diamandis and Steven Kotler, *Abundance: The Future Is Better Than You Think* (New York: Free Press, 2012).