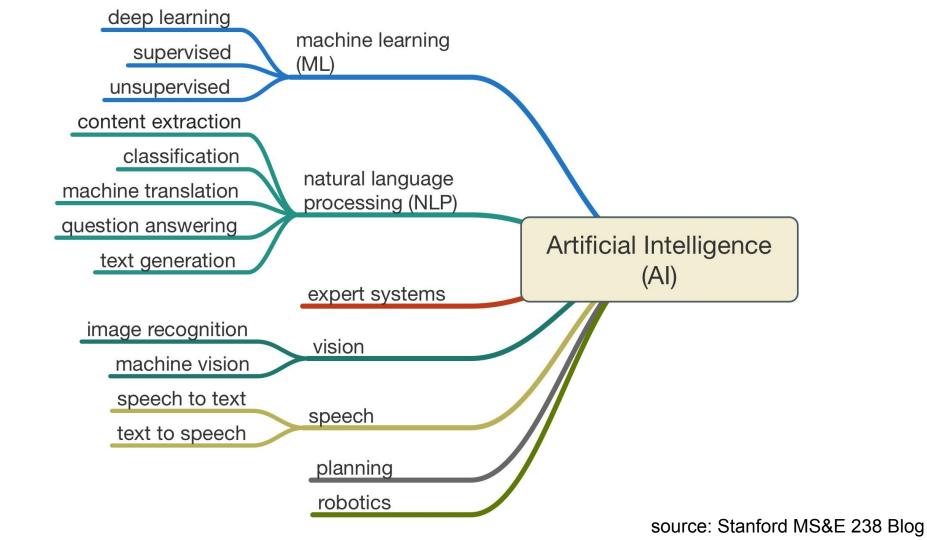
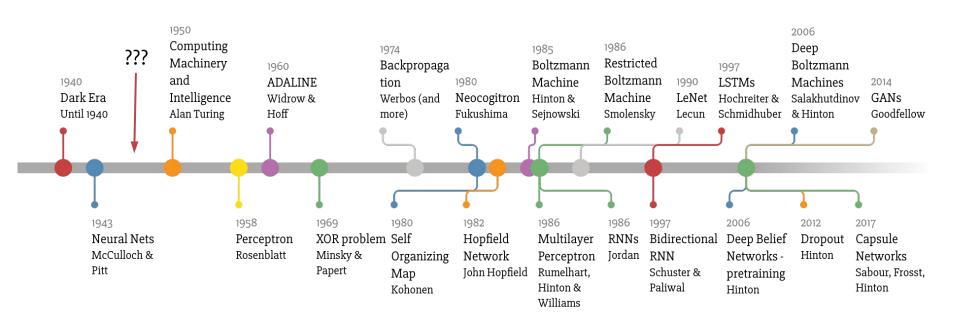
Tema 2 : Historia

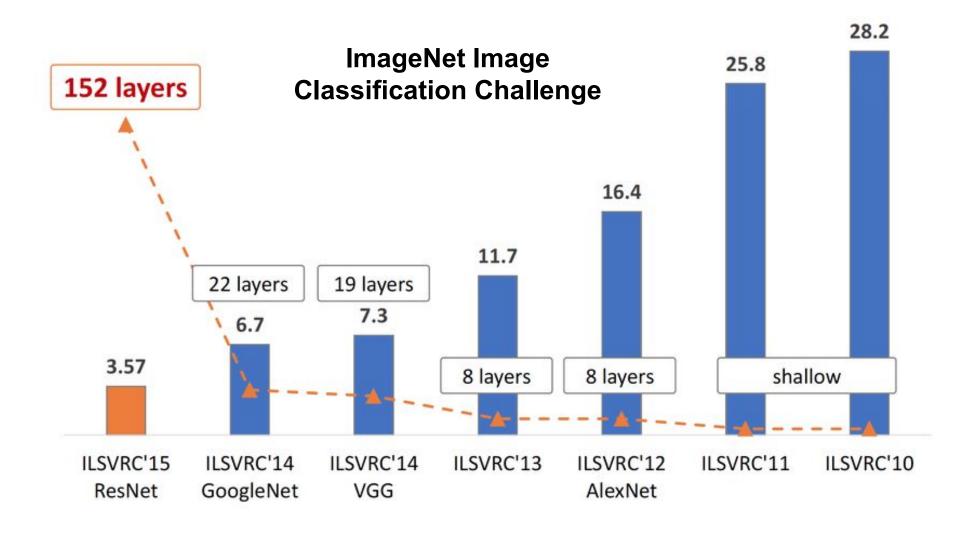
Contenido

- Ramas de Al
- 2. Línea de tiempo de Deep Learning
- 3. Deep Learning como representación de aprendizaje
- 4. Por que Deep Learning?
- 5. Hardware a usar



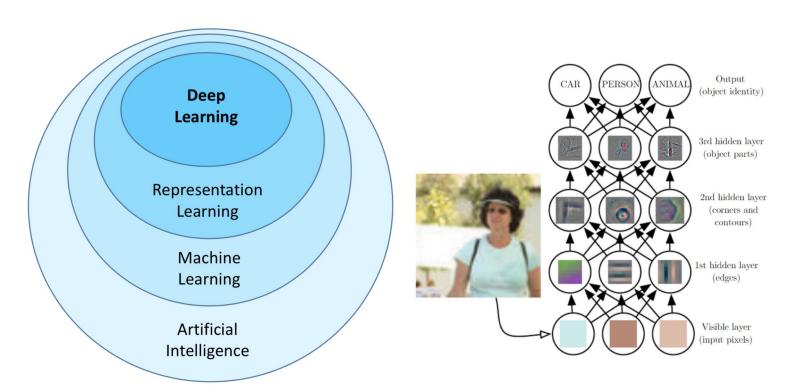
Deep Learning Timeline



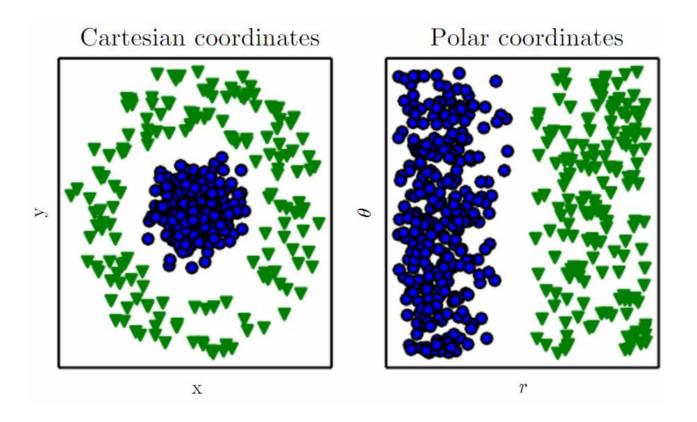


Deep Learning is Representation Learning

(aka Feature Learning)

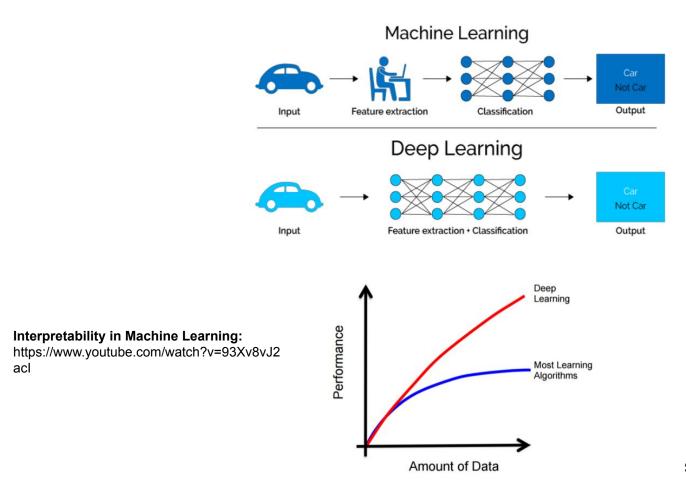


Representation Matters



Task: Draw a line to separate the green triangles and blue circles.

Why Deep Learning? Scalable Machine Learning



Compute Hardware

- **CPU** serial, general purpose, everyone has one
- **GPU** parallelizable, still general purpose
- TPU custom ASIC (Application-Specific Integrated Circuit) by Google, specialized for machine learning, low precision

