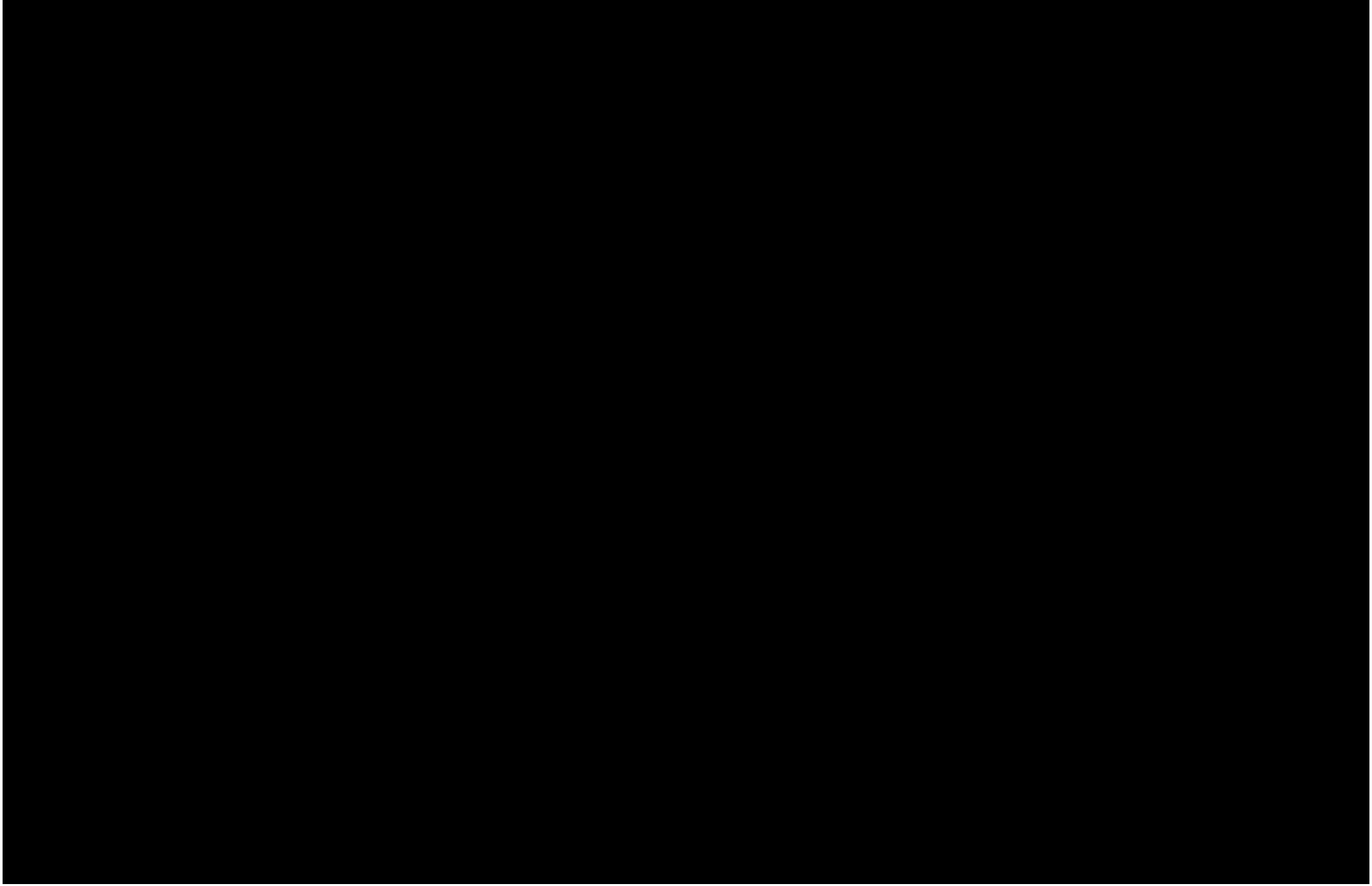
Recognize And Classify Animal -- No Animal

Subjects must raise their hand if they see an animal:

- 60 images
- 1 image per second

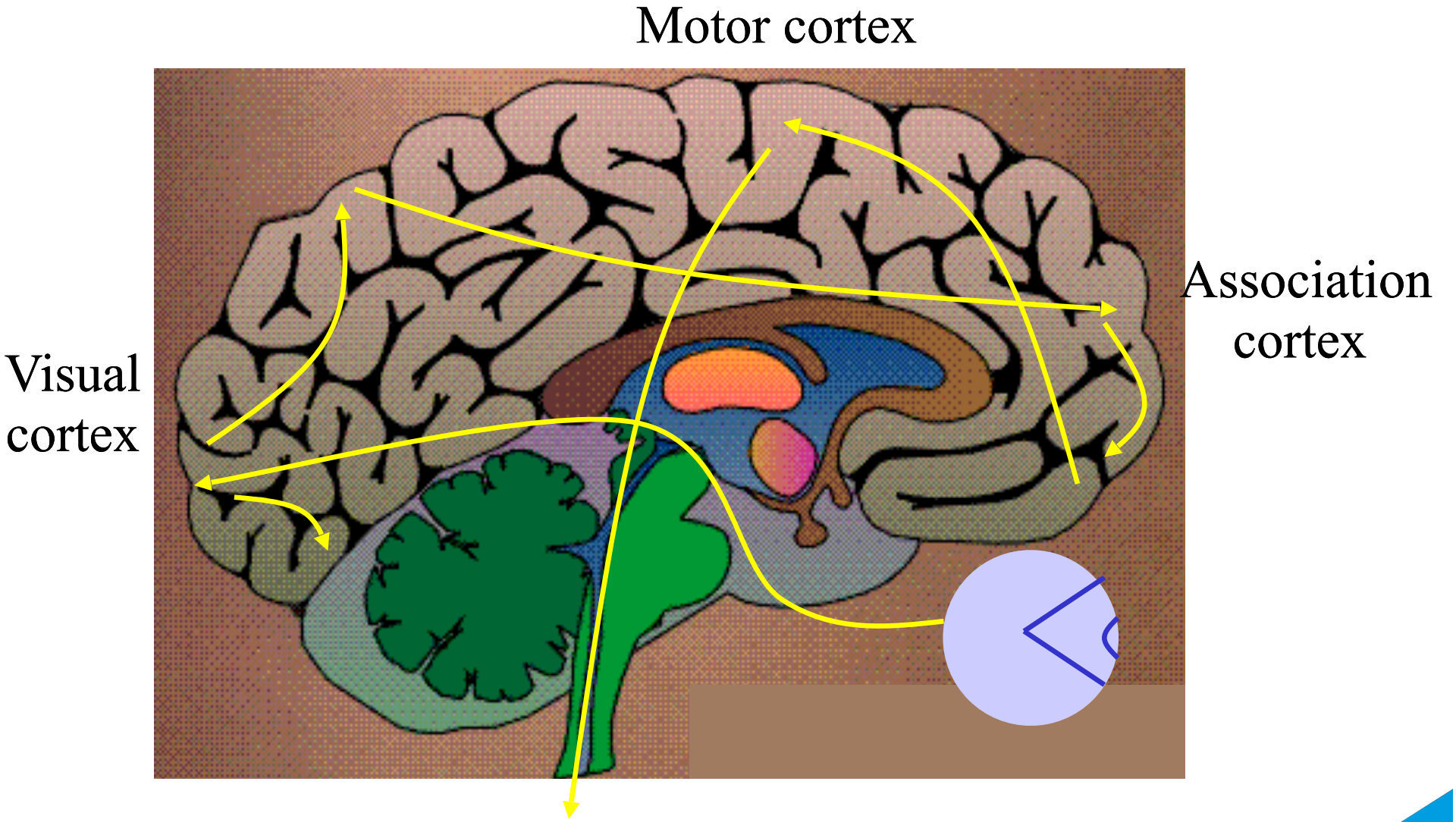
→ Measure their reaction time.

Simon Thorpe, *Nature*, 1996



Thorpe, *Nature*, 1996

Brain Pathways



Challenges

Vision involves dealing with:

- Noisy images
- Many-to-one mapping
- Aperture problem

→ Useful information can be extracted by:

- Designing appropriate models.
- Training our algorithms effectively.

Opportunities

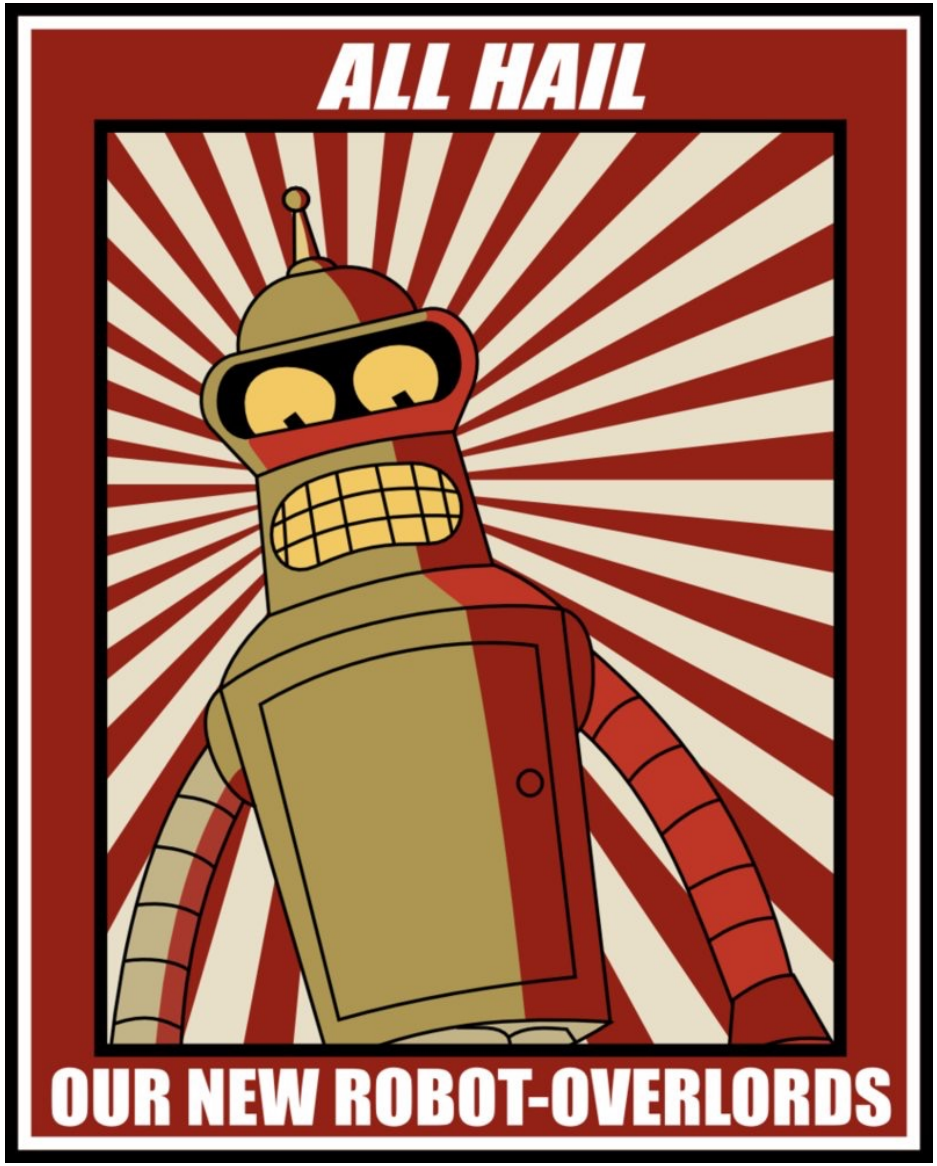
Cameras are becoming ever more prevalent and Deep networks have immensely boosted the performance of Computer Vision algorithms:

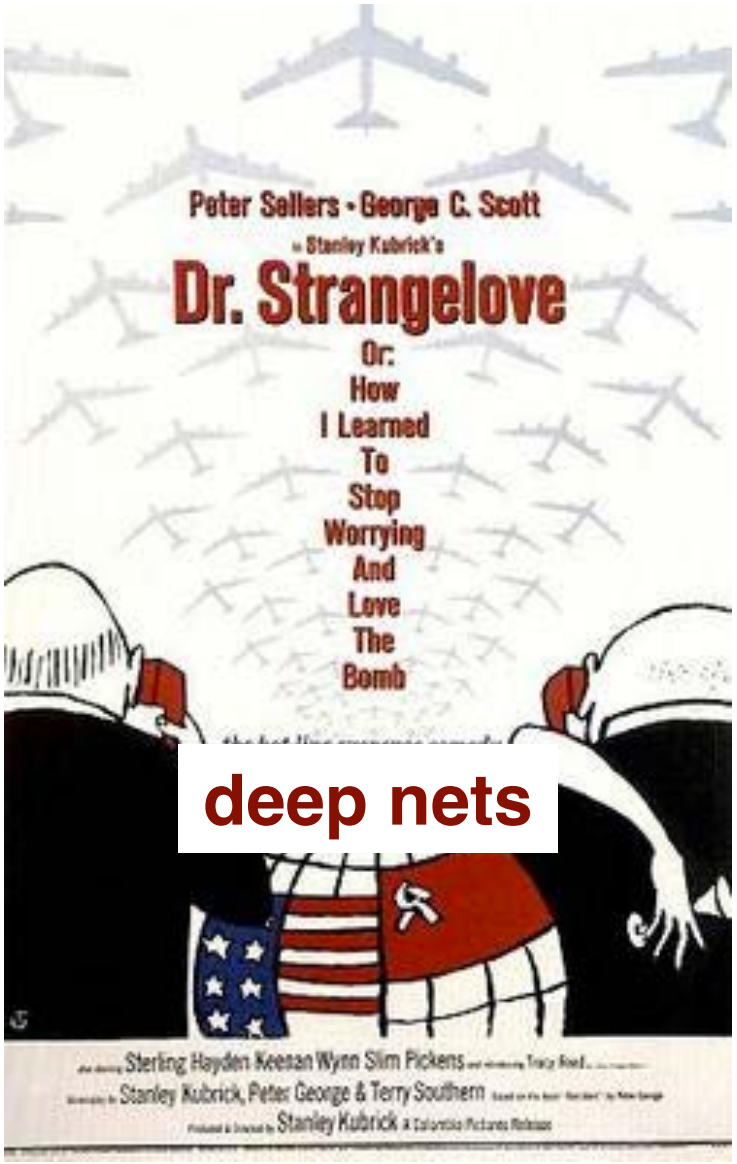
- Tremendous potential for applications.
- A window on the way the mind works.
- But limited understanding of why things work.

➡ Still much work to be done !!!!

➡ Lots of jobs in Switzerland and elsewhere.

Deep Learning Revolution



or

.....