Societal Impacts of ML

① news results
- user data being used/saved
- news is now driven by clicks
- spend more money, users

② self-driving car
- fewer or more accidents
- liability
- sell AI as a service

③ medical diagnosis
- rate of misdiagnosis could go down/up
- tangled web w/ health insurance
- barriers to health care are reduced
- missing new diseases / bias

Example Learning Problems

Task	Perf. Measure	Experience
finding the best printing parameters (process)	fracture strength of printed material	examples of (parameters, fracture strength)
recognizing RFM	Compare with clinically well-established	study participants

recognizing REM
sleep patterns
(apple watch)

Compare with
clinically well-established
systems

study participants
provide

(,)

proof verification
(logical argument
in English)

human annotators
labels whether or
not it's correct

(argument, human eval)