



AGI: Racing and cooperating

Seán Ó hÉigeartaigh

Centre For the Study of Existential Risk &

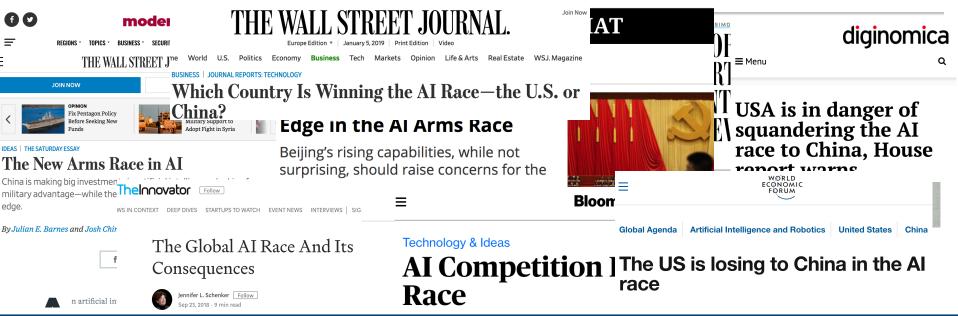
Leverhulme Centre for the Future of Intelligence

Centre for the Study of Existential Risk

Racing and cooperating

"Whoever becomes the leader in this sphere will become the ruler of the world"

"To seize the major strategic opportunity for the development of AI, to build China's first-mover advantage in the development of AI "







'Races' in contemporary Al

- National strategies
- Competition for research talent
- Industry and business application
- Emerging markets
- Competition can drive innovation





'Races' in contemporary Al

- Concentration of power
- Military applications

Many different competitions with different (changing)
 leaders



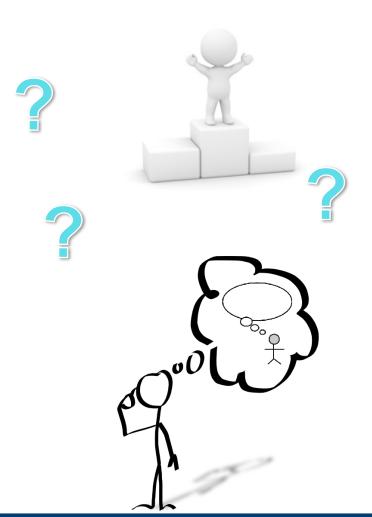






Emergence of an AGI race

- AGI currently speculative future prospect
- At some point may become imminent-seeming
- A different race dynamic?
 - No room for many winners?
 - Unassailable leadership achievable?
- Beliefs matter







Concerns around a race to AGI

- Safety
- Fair and beneficial deployment
- Expertise-sharing and cooperation
- Tensions and conflict
- What if race is won?







In an ideal world?

- Globally cooperative venture
- Safe and controlled
- Global stakeholders convinced that benefits to be distributed worldwide







What can we do now?

- Rhetoric
- Cooperation
 - Sharing and open-ness models
- Global engagement
- Precedents



Long-Term Safety

We are concerned about late-stage AGI development becoming a competitive race without time for adequate safety precautions. Therefore, if a value-aligned, safety-conscious project comes close to building AGI before we do, we commit to stop competing with and start assisting this project. We will work out specifics in case-by-case agreements, but a typical triggering condition might be "a better-than-even chance of success in the next two years."





Topics and questions

Models for a joint AGI development project

- Models for an global AGI benefits agreement
- What would be 'good enough'?
- Alternatives to an 'arms race' framing?
- How do we talk about an AGI race?





