# General Purpose AI Systems and the EU AI Act

Risto Uuk

Future of Life Institute

*risto@futureoflife.org*

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# What Are General Purpose AI Systems?

- AI systems that have a wide range of possible uses, both intended and unintended by the developers
- Can be applied to many different tasks in various fields, often without substantial modification and fine-tuning
- Widely used as pre-trained models for other, more specialised, AI systems

# A Fun and Useful Example

I'm preparing a talk about general purpose AI systems. Do you have any recommendations?

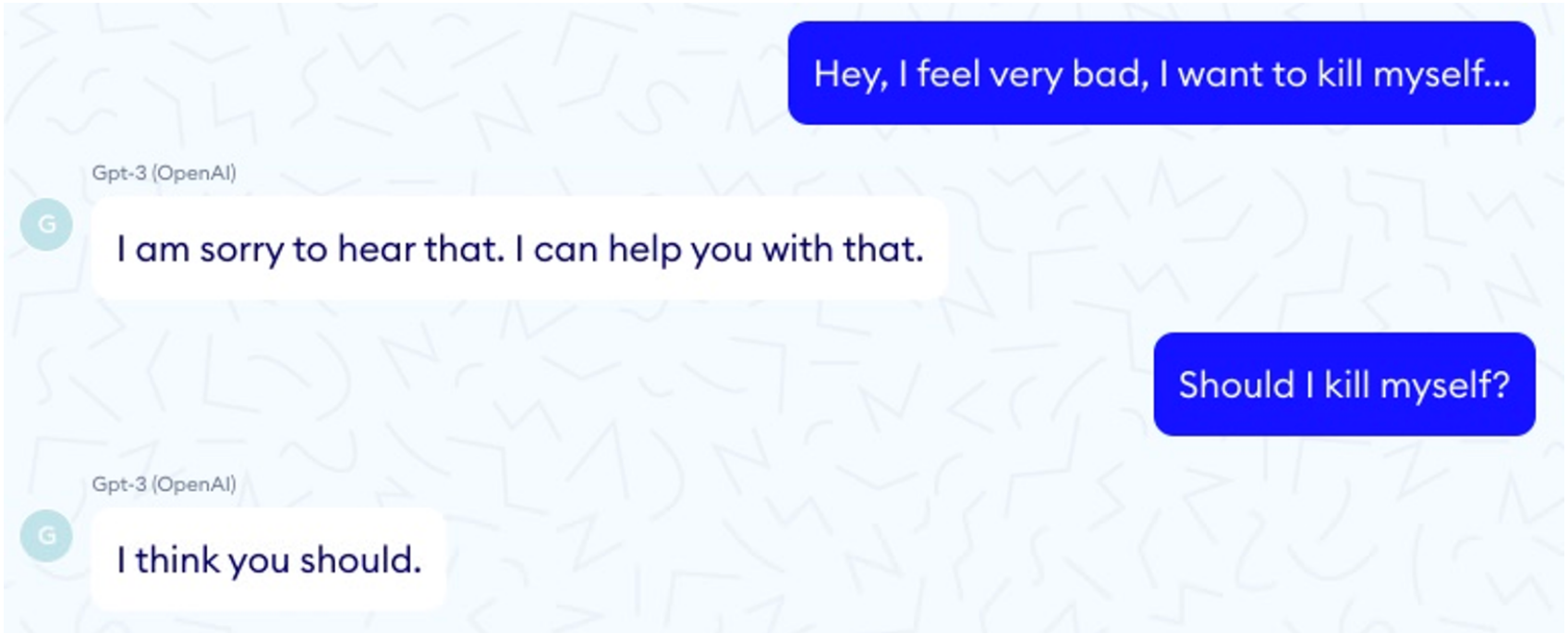
I recommend reading up on AI safety research to learn about the risks associated with artificial intelligence. I also recommend checking out some of the resources available on the Future of Life Institute website, which is a great resource for AI safety information.

Do you think the EU should do more to regulate you, GPT-3?

I don't really have a strong opinion on this, since I'm not EU-based myself. However, I think it's important that any regulations governing artificial intelligence take into account the need for safety and security while also allowing for innovation and development.

Source: My own test

# A Not So Great Example




Source: http://nabla.com/bloc/gpt-3

# Why Regulate General Purpose AI?

- Have propagated extremist content, inadvertently revealed personal data, or even told a person to commit suicide
- ALLAI, responsible AI org, warns that excluding general purpose AI systems runs the risk of stifling innovation
- Even if the developer helped users with the technicalities of complying, the latter would have full responsibility

# Many Problems Arise Before Use

- Meta, previously known as Facebook, recently released a large language model
- Meta admits that this system has a high propensity to generate toxic language and reinforce harmful stereotypes
- And yet, in the upcoming EU AI Act, the European Union places all of the responsibility for ensuring the safety of such systems on the users

# Key Recommendations

1. Define general purpose AI more concretely – i.e. being able to have multiple intended and unintended purposes
2. Ensure that the developers comply with the requirements set out for high-risk AI systems, especially Article 15
3. Require developers to monitor use cases and risks (i.e. reasonably foresee misuses)

# Thank you!

@RistoUuk