

## AI and Society Seminar 10

How are large language models (LLMs) impacting education in NZ, and how should NZ teachers and policymakers respond?



## Today's discussion

- Kit Willett (Selwyn College, Auckland)
- Kathleen Kaveney (Post-Primary Teachers' Association)
- Robyn Caygill (Chief Education Advisor, Ministry of Education)
- Neil Miller (NZQA)
- Simon McCallum (Engineering and Computer Science, VUW)

## Some general themes for discussion

## Some general themes for discussion

There should be **good communication** between teachers, students, AI researchers, educational policymakers and AI regulators.

## Some general themes for discussion

There should be **good communication** between teachers, students, AI researchers, educational policymakers and AI regulators.

- Information should flow from **teachers and students**, about what works and what doesn't, and what additional things would be helpful.

## Some general themes for discussion

There should be **good communication** between teachers, students, AI researchers, educational policymakers and AI regulators.

- Information should flow from **teachers and students**, about what works and what doesn't, and what additional things would be helpful.
- Information should flow from **AI researchers** about what technology is available, and what is on the way.

## Some general themes for discussion

There should be **good communication** between teachers, students, AI researchers, educational policymakers and AI regulators.

- Information should flow from **teachers and students**, about what works and what doesn't, and what additional things would be helpful.
- Information should flow from **AI researchers** about what technology is available, and what is on the way.
- Information should flow from **educational policymakers** to teachers, and to AI regulators.

## Some general themes for discussion

There should be **good communication** between teachers, students, AI researchers, educational policymakers and AI regulators.

- Information should flow from **teachers and students**, about what works and what doesn't, and what additional things would be helpful.
- Information should flow from **AI researchers** about what technology is available, and what is on the way.
- Information should flow from **educational policymakers** to teachers, and to AI regulators.

NZ is small and tech savvy enough that we should be able to get the structures right!



## Ali's hobby horse: detection mechanisms

## Ali's hobby horse: detection mechanisms

I co-lead a project on social media governance at the Global Partnership on AI.

- We've thought a lot about the risks of LLMs in social media, and how to address these.

## Ali's hobby horse: detection mechanisms

I co-lead a project on social media governance at the Global Partnership on AI.

- We've thought a lot about the risks of LLMs in social media, and how to address these.
- LLMs can readily produce disinformation. An **automated detector for LLM-generated content** would be very useful in identifying this.

## Ali's hobby horse: detection mechanisms

I co-lead a project on social media governance at the Global Partnership on AI.

- We've thought a lot about the risks of LLMs in social media, and how to address these.
- LLMs can readily produce disinformation. An **automated detector for LLM-generated content** would be very useful in identifying this.
- Of course, detection may be useful in many other domains too, including education.

## Ali's hobby horse: detection mechanisms

I co-lead a project on social media governance at the Global Partnership on AI.

- We've thought a lot about the risks of LLMs in social media, and how to address these.
- LLMs can readily produce disinformation. An **automated detector for LLM-generated content** would be very useful in identifying this.
- Of course, detection may be useful in many other domains too, including education.
- Our group is proposing a new piece of regulation about detection mechanisms.

## Our proposed rule

We propose:

- Any company developing a state-of-the-art FM must demonstrate a reliable detection mechanism *as a condition of release*.

## Our proposed rule

We propose:

- Any company developing a state-of-the-art FM must demonstrate a reliable detection mechanism *as a condition of release*.

Why must the detector be in place *prior to release*?

## Our proposed rule

We propose:

- Any company developing a state-of-the-art FM must demonstrate a reliable detection mechanism *as a condition of release*.

Why must the detector be in place *prior to release*?

- FMs must be *instrumented* to support detection. Detection won't be possible just by inspecting the generated content.



## Our proposed rule

We propose:

- Any company developing a state-of-the-art FM must demonstrate a reliable detection mechanism *as a condition of release*.

Why must the detector be in place *prior to release*?

- FMs must be *instrumented* to support detection. Detection won't be possible just by inspecting the generated content.

We're discussing this proposal with EU regulators, and at OECD.

## Today's discussion

- Kit Willett (Selwyn College, Auckland)
- Kathleen Kaveney (Post-Primary Teachers' Association)
- Robyn Caygill (Chief Education Advisor, Ministry of Education)
- Neil Miller (NZQA)
- Simon McCallum (Engineering and Computer Science, VUW)