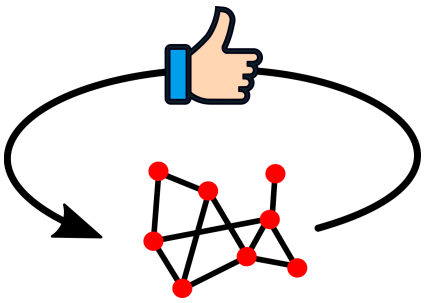
AGI business ideas

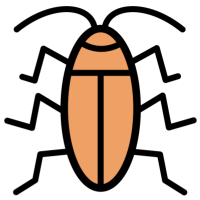
March 27, 2021



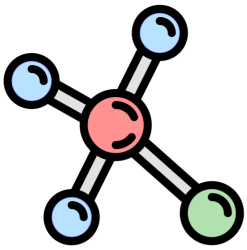
(0.0.1)

输入法 /
Grammarly

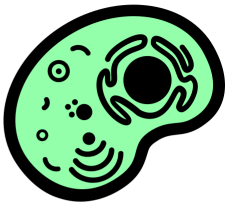
web
crawler



molecular

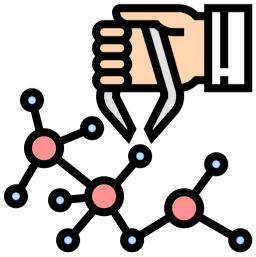


cell biology



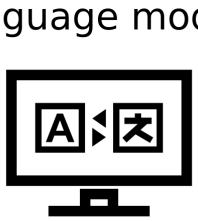
(0.0.2)

nanotech



by simulation, evolve nanobots that
perform specific functions

Use **language** to describe states, goals, relations.



(0.0.3)

Actions can change the state which is described by language.

What kind of domain is described by language,
with computer actions affecting states?

- robotics
- markets
- social networks
- even biotech
- indeed, all domains!

关键是 电脑 perform actions 之后，有沒有 (externally?) 即時 update 的 NL description?

BERT demonstrated that **explicit** rewards are not really required. Learning could be unsupervised, based on **explaining**.

所以重点是：不斷有 NL description update the state.

If there is NL description, where does it come from? Indeed, the ability of machines to generate NL descriptions from non-verbal environment probably does not exist. It would have to be either from humans or **gradually learned**.

It's highly unlikely that there are humans who continually update NL descriptions. So we are only left with option 2: **gradually learn NL descriptions**.

Probably everyday objects and everyday relations.

For example, a robotic scene. Actions change the scene and the NL description changes.

The NL description is generated by the AI. This problem itself is AGI-level.

There must exist a corpus of visual data and text data from which the AI can **cross-explain**.

During which time the robot should be doing something useful, but what?

Perhaps being able to classify and offer information.

It doesn't need to be a physical robot. The explanatory power will build up a knowledge base. What is the commercial use of it?

- 警察 搜尋證據
- 追蹤某些人行蹤／網上起底
- 尋找某些人 (social network)
- 自動找工作?

Basically what I got here is: relations of things that exist on the web and can be described by everyday language. It can be any sub-domain.

The best domain may be **social networking**... or **job finding**...