Under the surface

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> P3 away day 14th June 2023

whoami

- originally from China
 born in Baise (Bose), Guangxi
 did undergrad studies
 in Wuhan, Hubei
- 2012 2017, PhD in Economics,
 University of Birmingham
- 2017 2018, Postdoc research fellow, College of Social Sciences & International Studies, University of Exeter

- 2018-11 present, SRA in health data science, DMER, MRC IEU
 - EpiGraphDB
 - Trait mappings using ontology and language models ("vectology" project)
 - EpiGraphDB-ASQ
 - Automation in systematic reviews; funded by WCRF, Co-PI with Maria
 - A couple collaboration projects
 - Will aim to get more stats focused projects done in IEU 3

Research motivations

- Complex network analysis
- Computational and statistical methods in causal inference
- Machine learning and predictive analytics
- Natural language processing

Academic research

- Autonomy
- Trying out latest & greatest things
 - or even better, being part of them

- ??? What would I do in the future?

Grow a UNIX beard eventually maybe in a decade far, far away









My next big challenge

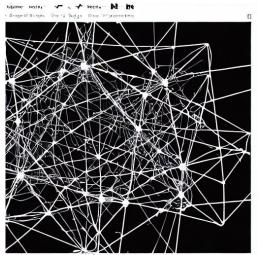
Getting a grant / fellowship

- Support research independence
- Even more autonomy
- Help rekindle old collaboration relationships and create new ones

Artistic summary of my research

stable-diffusion!

```
1 prompt = """Complex network analysis"""
2 generator = torch.Generator("cuda").manual_seed(10086)
3 image = pipe(prompt, generator=generator).images[0]
4
5 image.save(f"foobar.png")
6
7 image
```





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Compositational

