5 years of being at the Turing

Aside from being handy for the trains to Europe…😊
Structure & Resources

13 University partners
5+ strategic partners (industry & government)
Core grant from UKRI/National + funds from partners:
projects/programs/collaborations + other grants

public outreach events & interest groups

Research staff, PhD student/interns
Research Engineers <
Academic fellows (like me - part time seconded or visit)
Data Study Groups <

Cloud resource/national data too
Interactions & resources - my experience

- Privacy-preserving data analysis
- Data science and digital humanities
- Urban analytics
- Fairness, transparency, privacy
- Data Ethics Group
- Low-dimensional structure in data
- Protocol governance: Blockchain & beyond
- Sampling algorithms for data analytics

- Data!
- PhDs
- Papers
- Projects
- Proposals
- Partnerships
- REG
- Feedback
- Fun
Project #1 Maru - Secure Enclaves for AI

- Funded by D&S Program
- Partner with Imperial (not a turing uni then) & Intel
- Customer: NCSC - committed&used (tested) code from repo!
- software and papers outputs
- Influenced design of “Safe Haven” (use for DECOVID!)
- intellectual success - liaison via MSR Cambridge
- partial failure (sgx;spectre/meltdown)...
- followup influence (ARM & RISC-V enclave support different)...
- Good example of convening power of Turing
Project #2 - Trustworthy Digital Identity Systems

- Funded by Gates Foundation at Turing
- partners in World Bank, ID4D, Mosip etc
- just closed call for mini-projects (many good submissions!)
- safe haven and secure analytics for DECOVID&tracing…
- working on different models of “trustworthiness”
- UK is most challenging compared to many developing regions
- Great example of value of REG support…
Research Mapping Exercise & Tools

- Topic Models – sourced from bio, project, papers etc
- PC/RIAC/University Liaison expertise
- Crowd sourcing/democratic say
- Bibliometric Studies/NLP
- https://www.turing.ac.uk/research/research-areas
- Watch this space… (e.g. on slack channels…)

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International Collaboration

- Many papers already collaborative
- And open source code
- and talks/conference events
- Startups (at least 2)
  - ikva.com & quine.sh
  - also ties with
  - https://cognitionx.com/

- really just getting going
- slightly stalled by pandemic (and brexit)
- Startup ideas
  - seed money competitions
  - free up IP
  - staff contract flexibility
  - local VC culture
- https://www.turing.ac.uk/collaborate-turing