

HI! I'M ROHAN!

**ROHAN ALEXANDER, 30 SEPTEMBER 2020
PROSPECTIVE MEXICAN STUDENT OUTREACH**



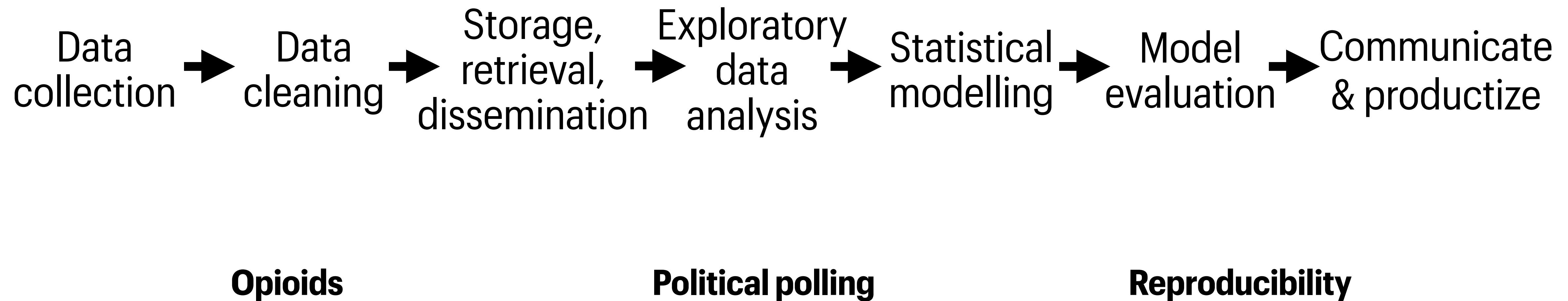
ABOUT ME

'Rohan' ≈ 'row-hun'

- Australian 🇦🇺🐨 but lived in Canada since July 2018 🇨🇦☃️.
- Assistant professor since July 2020, jointly appointed between Information and Statistical Sciences.
- Partner: Monica Alexander.
- Baby: Teddy.



SPADISATCOM & R FOR SOCIOLOGICAL WORKFLOW



TORONTO DATA LAB

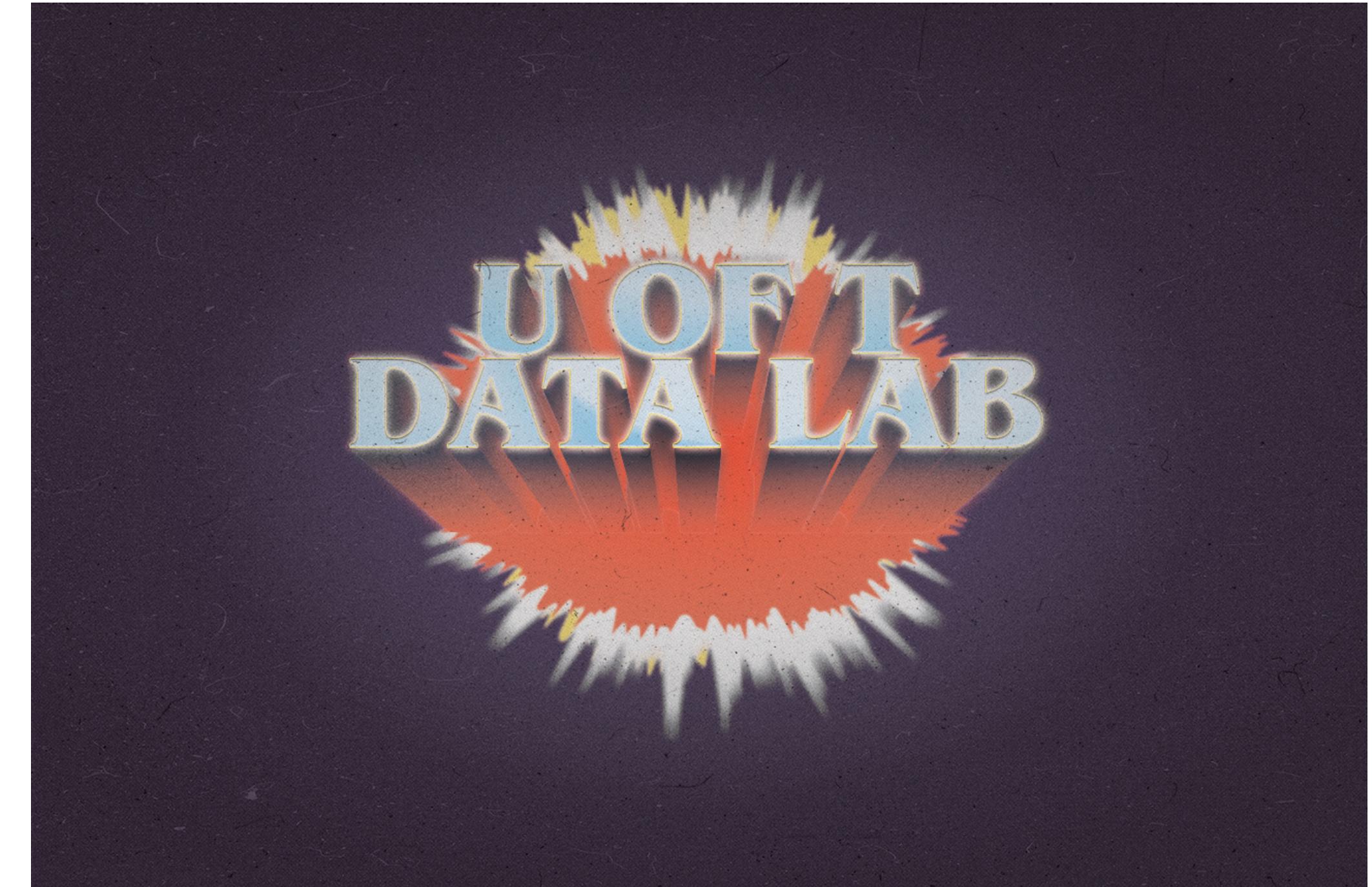
GRADUATE STUDENTS ARE EQUAL PARTNERS, HAVE AUTONOMY, GET CO-AUTHORSHIP & ARE PAID

- **Current**

1. A Mahfouz (Masters student)
2. Dan Xu (PhD student)
3. Diego Mamanche Castellanos (Masters student)
4. Hidaya Ismail (Masters student)
5. Ke-Li Chiu (Masters student)
6. Paul Hodgetts (Masters student)
7. Yian Wang (stats undergrad)

- **Future**

- You????? 🙏🙏🙏🙏



MY RESEARCH

THREE TRANCHES

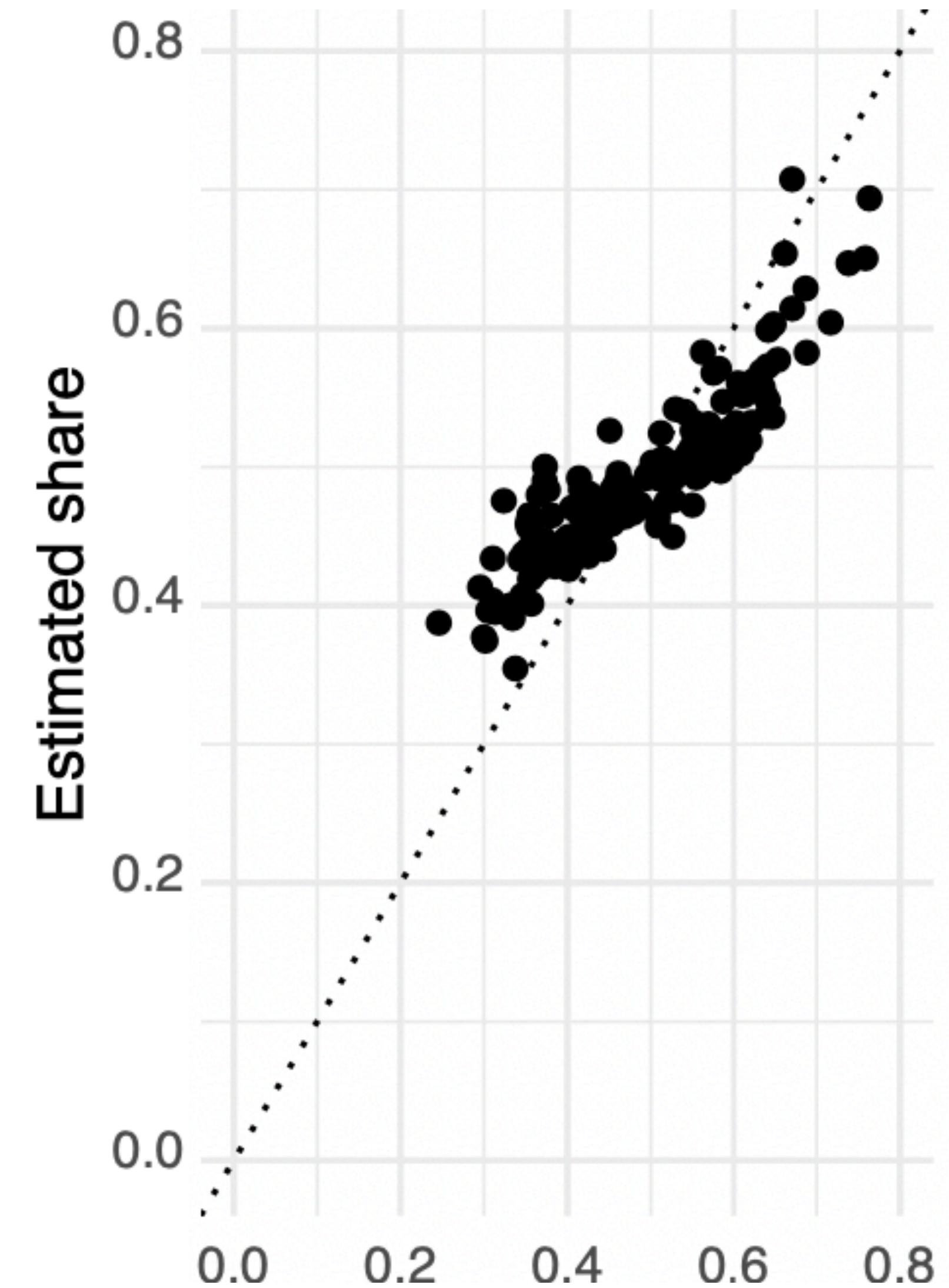
- 1. Multilevel Regression with Post-stratification (MRP)**
- 2. Natural Language Processing (NLP)**
- 3. Workflow analysis**

MRP

ADJUST SURVEY RESULTS IN A STATISTICALLY MEANINGFUL WAY

- Widely useful (i.e. lots of jobs 😂)
- Both theory and applied issues:
 - **Alex Gao (PhD candidate), Dan Simpson, and Monica Alexander**

I co-organize the MRP Reading Group -
Wednesday at 4pm - all welcome! Email me for
an invite: rohan.alexander@utoronto.ca.



NLP

ANALYZE MORE THAN JUST NUMBERS

- Huge amount of investment from tech firms
- More than just chatbots!
 - aRianna, Japanese dictionaries
- Useful across the workflow



WORKFLOW

HOW CAN WE DO 'BETTER' STATS?

How can we:

- Get better at dealing with data, especially reproducibility?
 - arxivdl, cesR, AustralianPoliticians
- Better communicate our results?
- Do applied statistics more efficiently?
 - MRP-Kit

I co-organize the Toronto Data Workshop - Thursday at 4pm - all welcome.



THANK YOU!

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