Start of Content

What The Tech? A BARI/TGH Summer Internship Program

Part 1:
Settling In/Survey Designs & Advocacy

Welcome!

Introducing Ourselves

- Names (and pronouns if you'd like)
  - Nickname?
- Where you're from (neighborhood/school/etc.)
- Favorite subject
- Something about the internship that you're looking forward to?
- Favorite hobby/activity outside of school
- Something you are looking forward to this summer (besides the internship)!

Unpacking the Summer Internship

What You'll Do

Work!

- An internship is just another name for a job
- That means showing up when expected to do the work that is asked of you.
- This will have less of a "classroom" vibe
- Don't feel like you have to stay in the conference room to work
  - Plenty of open space areas

Research!

- Your objective: Work on a six week-long research project
- You will be partnered with another intern and a TGH Research Fellow
- Partnership based on the AI/tech equity policy rankings you filled out
- More on this later

Advocate!

- Remember: this internship (and the research projects) are all part of the larger project.
- The goals are
  - Learn what people think about AI
  - Figure out what they want (or don't want) in a policy
  - Your work and research are the foundation!

The work will be the advocacy and vice-versa!

[EXAMPLE] Folks We'll Meet Along The Way...

TGH's Community Research Fellows

- Adult professionals who are studying AI and tech with TGH
- Doing it for the same reasons as you
- They come from a variety of backgrounds
- You will meet them on here (Northeastern) on Wednesday evening
  - More details later

TGH Employees

- You'll be with them on Tuesdays
- They will help you with your research
- They will also do presentations and activities with you
- You'll be meeting them tomorrow

And more!

- Professors who do research that related to yours
  - Public policy
  - Community engagement
- Folks who work in tech policy and regulation
- Students working in data collection, analysis, and *presentation*

Quick Question...

- We have a lot of experience in the this stuff...
- We've both worked solo together <u>and</u> together...
- **So why do YOU think it matters that we (and all of you) work together on this project?**

- Because we look at tech from different angles!
- It's important to learn about tech and AI from *their* perspective
- That's part of what you'll be doing

Odds and Ends

Absences

Unplanned Absences:

- Staying safe is a responsibility that we all must take seriously.
- If you don't feel well, it's okay to stay home–just communicate as early as you can!

Planned Absences:

- We get it… it's summer! You might have plans to travel with friends or family, and that's fine.
- However, it is YOUR responsibility to…
  - Let us and those you work with that you will be absent!
  - Make sure that you all have a plan so that the work gets done!
  - We will NOT let others know for you!

Other Reminders

Present and active participation:

● Like any other job, it is expected that you show up ready to <u>work</u>, <u>participate</u>, and <u>listen</u> in a way that is <u>open</u>, <u>friendly</u>, and <u>respectful</u>!

● Remember: we are all in this together!

Other Reminders

Ask Questions!:
- It is the best way to learn and adapt!
- If you have a question, raise your hand and we will all work on a solution together. If you feel more comfortable Googling it, that's also fine.

You are responsible for bringing your lunch and laptop!

Any Questions?

Next:
1. Lunch
2. Artificial intelligence in brief
3. Project discussion

Artificial Intelligence: Getting Up To Speed

Artificial Intelligence: Getting Up To Speed

Everyone Has a Different Baseline!

- Some of you participated in our after school workshop
- Some of you may have a different level of interest
- That's fine

AI May Also Mean Different Things to Different People

- It may be cool to some, strange to others.
- Some may be "meh"
- Also legit!

Artificial Intelligence: Getting Up To Speed

- **But it's important to figure out where we all are**
- **Which is why we're going to play a game...**

Activity:
Artificial Intelligence: Getting Up To Speed

- **Four Categories: either you or I can ask.**
  - What AI is (and isn't)
  - The different sorts of AI (types and uses)
  - AI ethics
  - Personal impact of AI (hypothetical situations)
- **Wild Card Category: Only I can ask**
  - Mua-ha-ha!
- **If you're right, you can pass it off. If not, someone can "steal."**
- **Remember: these are "agnostic" questions**
- **You can ask questions you <u>don't</u> know the answer to!**

17

First Question:
What is the first thing you think of when you think or "artificial intelligence?"

Your Research Project

Your Research Project!

The Lineups

- This will be a group project involving you, a fellow intern, and one of the TGH Research Fellows **{Or Equivalent}**
- You will be responsible for checking in with each other

Your Research Project!

The Focus

- Your team investigate a piece of existing AI and/or tech equity policy/topic and determine:
  1. How it could potentially impact your city if it were applied here.
  2. Whether it should be applied or not.
  3. If the proposal as it currently exists addresses everything that it should. If not, then what should change?
  4. Are there any ethical issues that we should be aware of?

Your Research Project!

The Goals

- A survey based around your research topic.
- Preparation of survey data in Excel/Google Sheets
- A report summarizing your findings.
  - THERE IS NO SET REPORT LENGTH.
- Powerpoint presentation summarizing report and data findings.
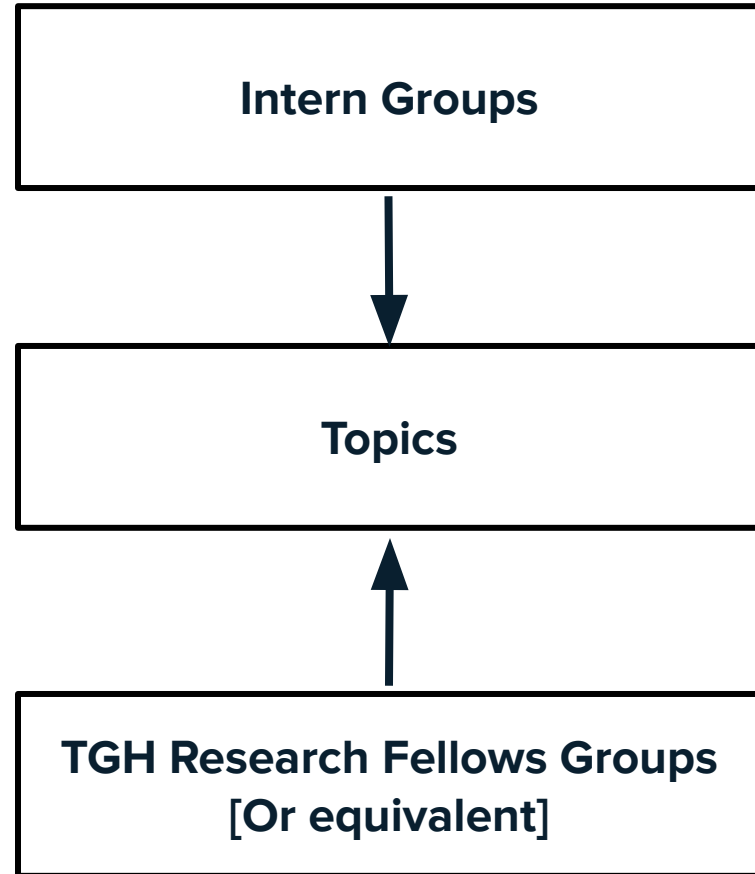
Your Research Project!

Your Tools

- [Library cards, shared Google drives, etc.]
- Staff! We're here to answer any questions you may have
- Each other!

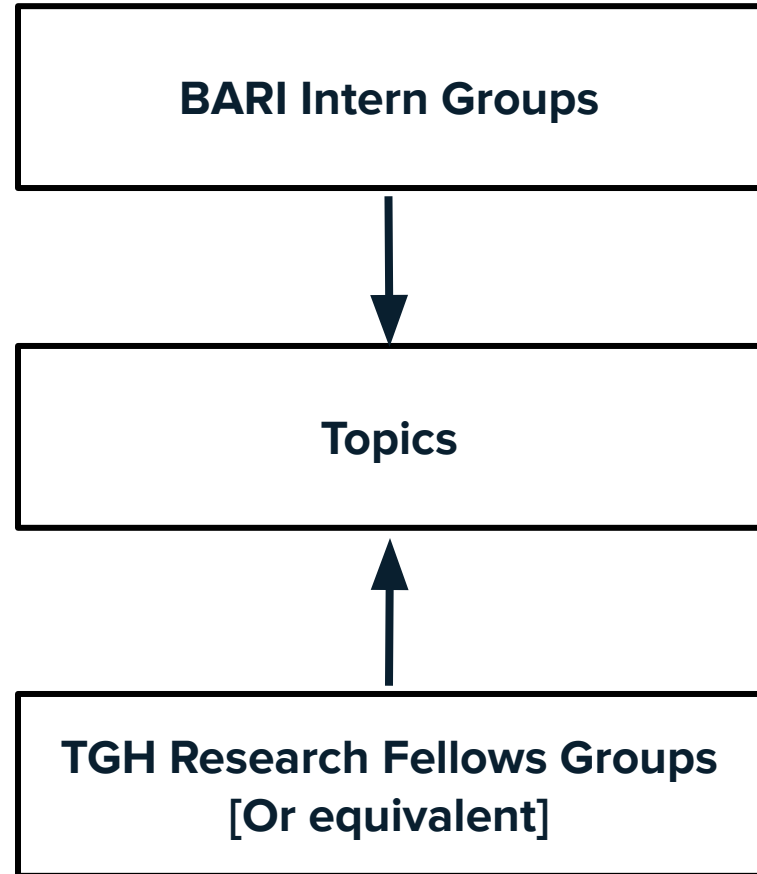# Content Halfway Point

Research Groups

Review: The Setup

- Three groups of two interns

- Each group gets a topic based on their listed interests

- TGH fellows are grouped the same way, based on their capstone projects
  - More fellows than interns
  - More people for your team to consult!

- Not possible to give everyone their top choice
- But no one will be bored

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│        Intern Groups        │
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│           Topics            │
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│  TGH Research Fellows Groups │
│        [Or equivalent]       │
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Next Steps

- Sit next to your partner
- Go over your sheets (I have them) and start strategizing. Examples:
    - What could be the key issue?
    - How could AI play a role or expand its role
- Talk about schedules
    - Some of you have planned absences
    - Make a plan to stay in touch if anything happens.

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┌─────────────────────────────────┐
│       BARI Intern Groups        │
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│  TGH Research Fellows Groups    │
│        [Or equivalent]          │
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Survey Design Presentation & Workshop

(Developed by Dr. Dan O'Brien, Northeastern University)

Surveying Communities

What opinions and experiences do you want to learn about?

Pick one of those topics and write a question about it.

Writing Good Items

- Clear and concise items.
- No double-barreled questions (i.e., items that ask two things).
  - "I like using AI, and I think members of my community can benefit from it" has two components.
- No leading questions.
  - "Do you want tech companies to stop committing algorithmic bias?"
- Careful with negatives and double negatives
  - "Is it impossible that the Holocaust never happened?" generated a 20% positive response rate.

Types of Items

- Rating scales
  - e.g., "Rate the extent to which you agree with each of the following potential concerns regarding AI."
    - Strongly Agree <-> Strongly Disagree
- Ranking activities
  - e.g., "Put the following potential concerns regarding AI in order from most to least important."
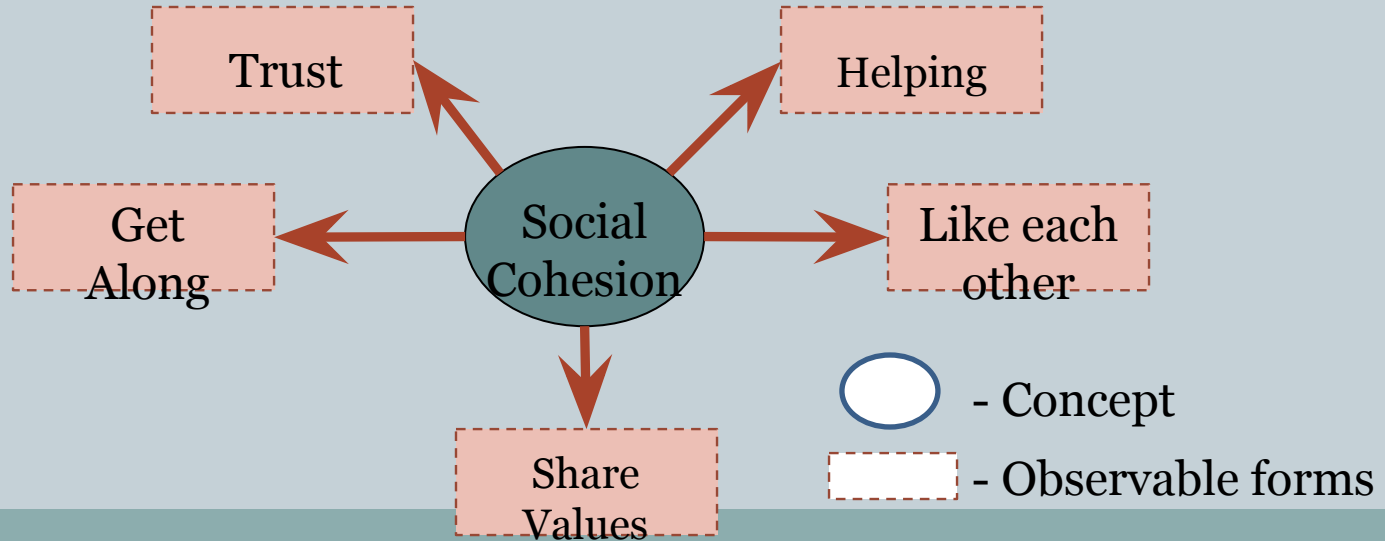- Open response
  - e.g., "Describe your three biggest concerns regarding AI."
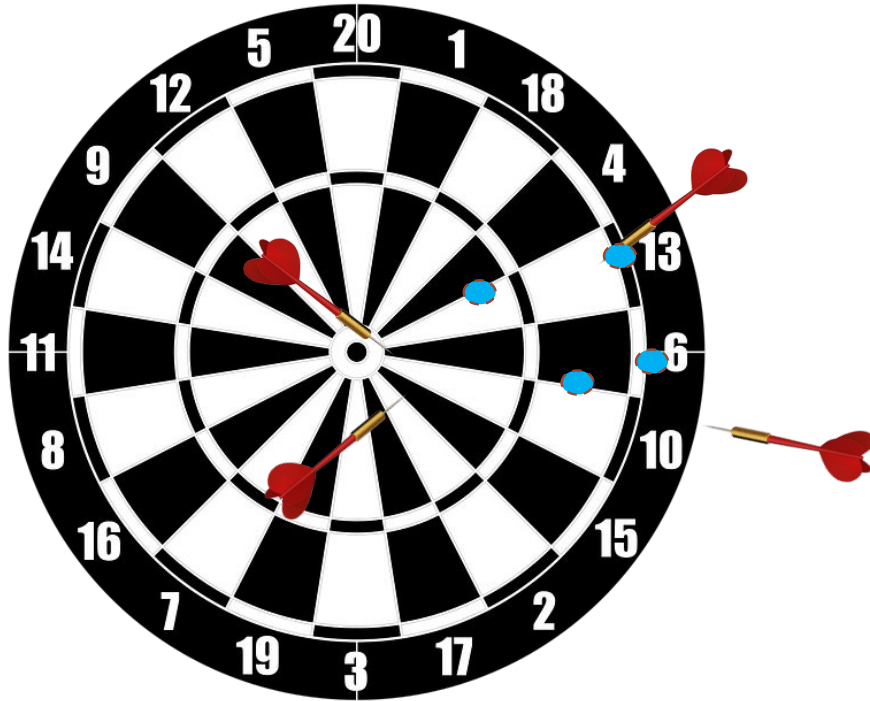
Refine your question.

Building a Good Scale

- We want to know about a complex concept.
- This concept takes many observable forms.

Building a Good Scale

Takeaway:

More items

+

Items close to the shared "truth"

=

More robust understanding of the topic

Building a Good Scale:
Social Cohesion

- People in my neighborhood can be trusted.
- People in my neighborhood are willing to help their neighbors.
- People in my neighborhood know and like each other.
- People in my neighborhood get along with each other.
- People in my neighborhood share the same values about what is right and wrong.

Let's write a few more questions.

Developing a Survey

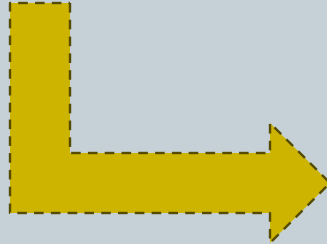Survey

Survey on AI

Developing a Survey

Survey

Survey on AI

Scales/ Instruments

Comfort Using AI

Attitudes toward AI

- A component of a survey capturing a specific topic.
- Other examples:
  - Demographic profile
  - Political beliefs
  - Personality characteristic

Developing a Survey

Survey	Survey on AI
Scales/ Instruments	Comfort Using AI — Attitudes toward AI
Items/ Questions	Designing prompts — Learning new tools — Data privacy — Bias / Equity

How are we going to continue to draft the survey?

End of Content