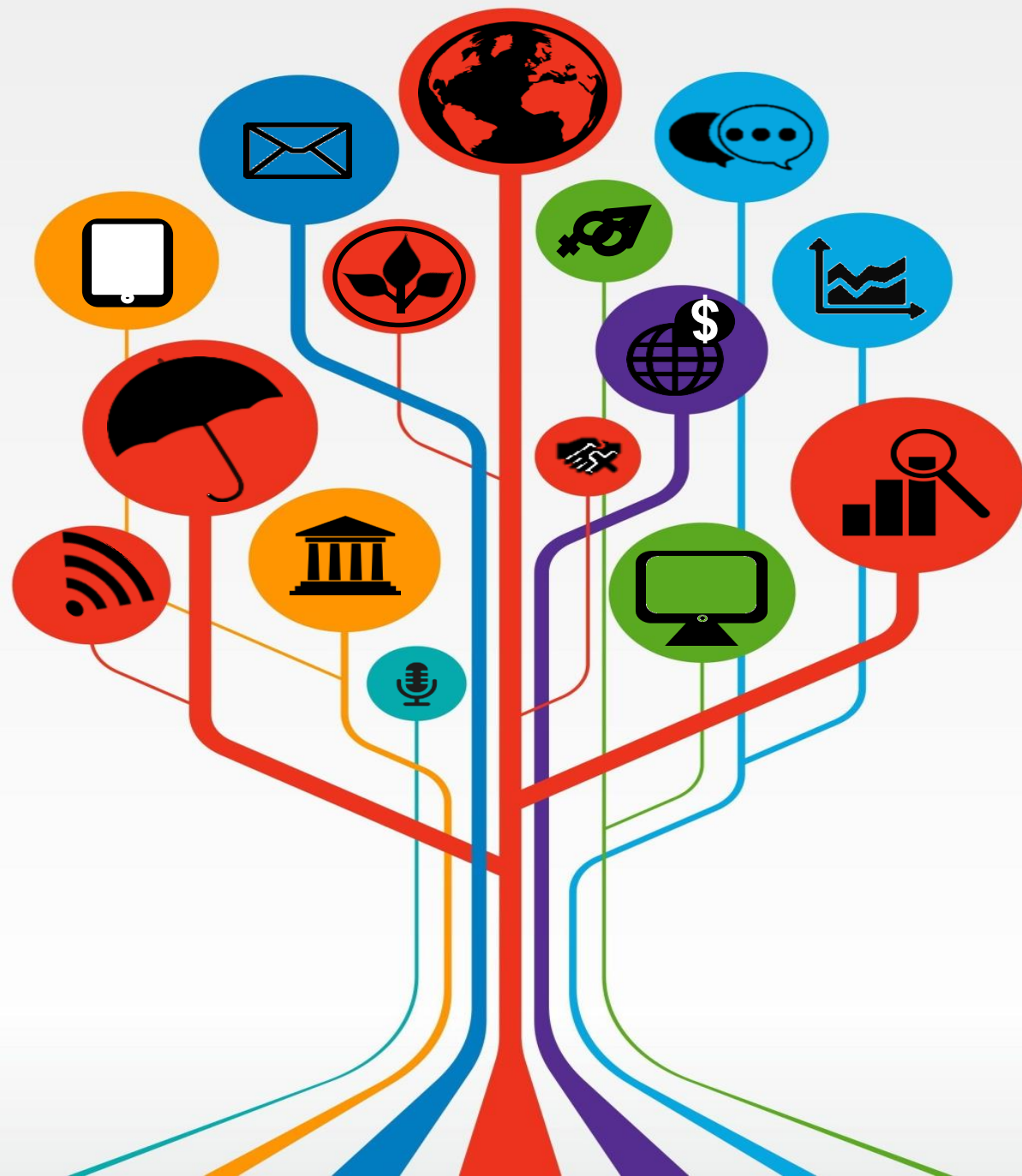


Research Ethics & Data Security

Roshni Khincha

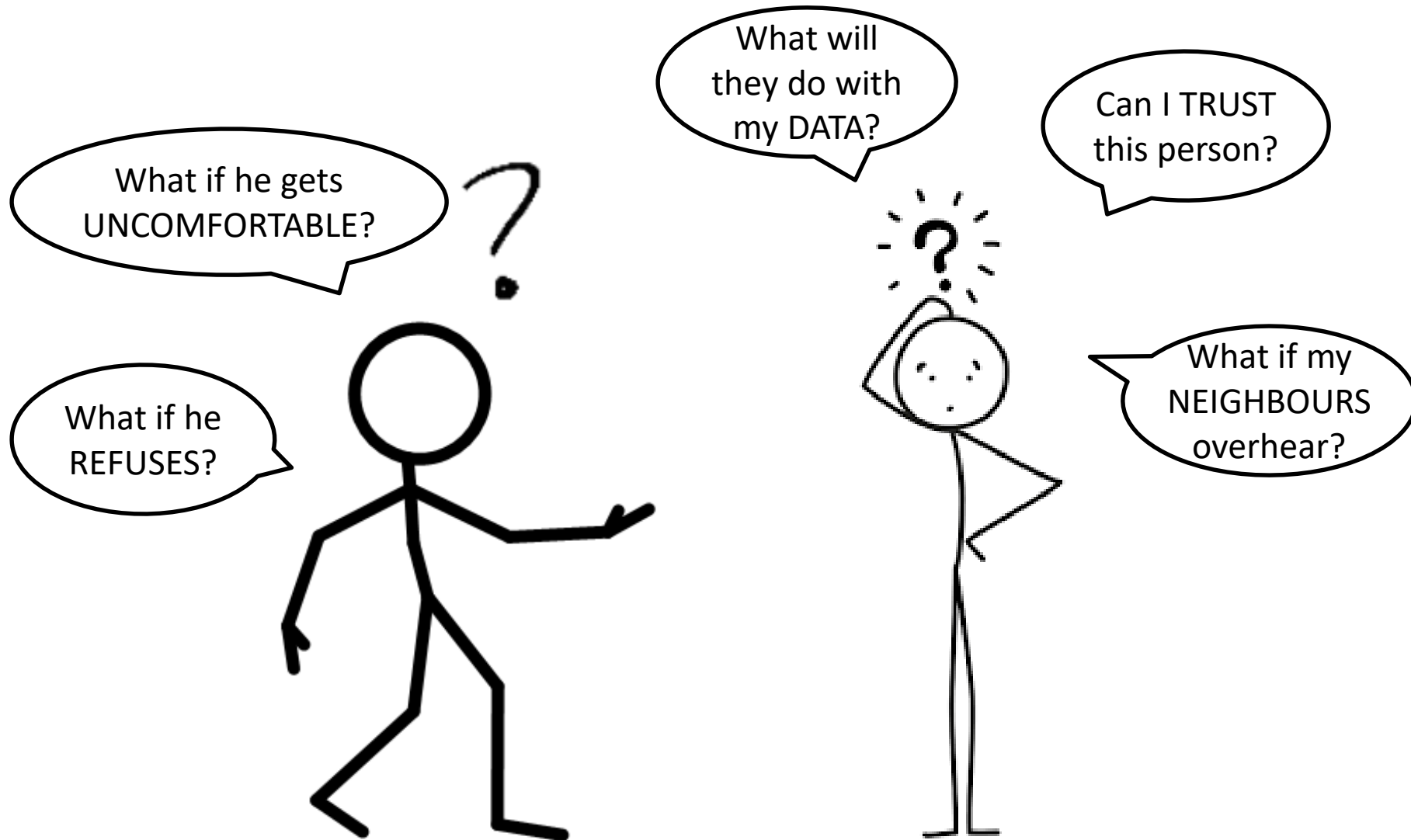
12th June 2019



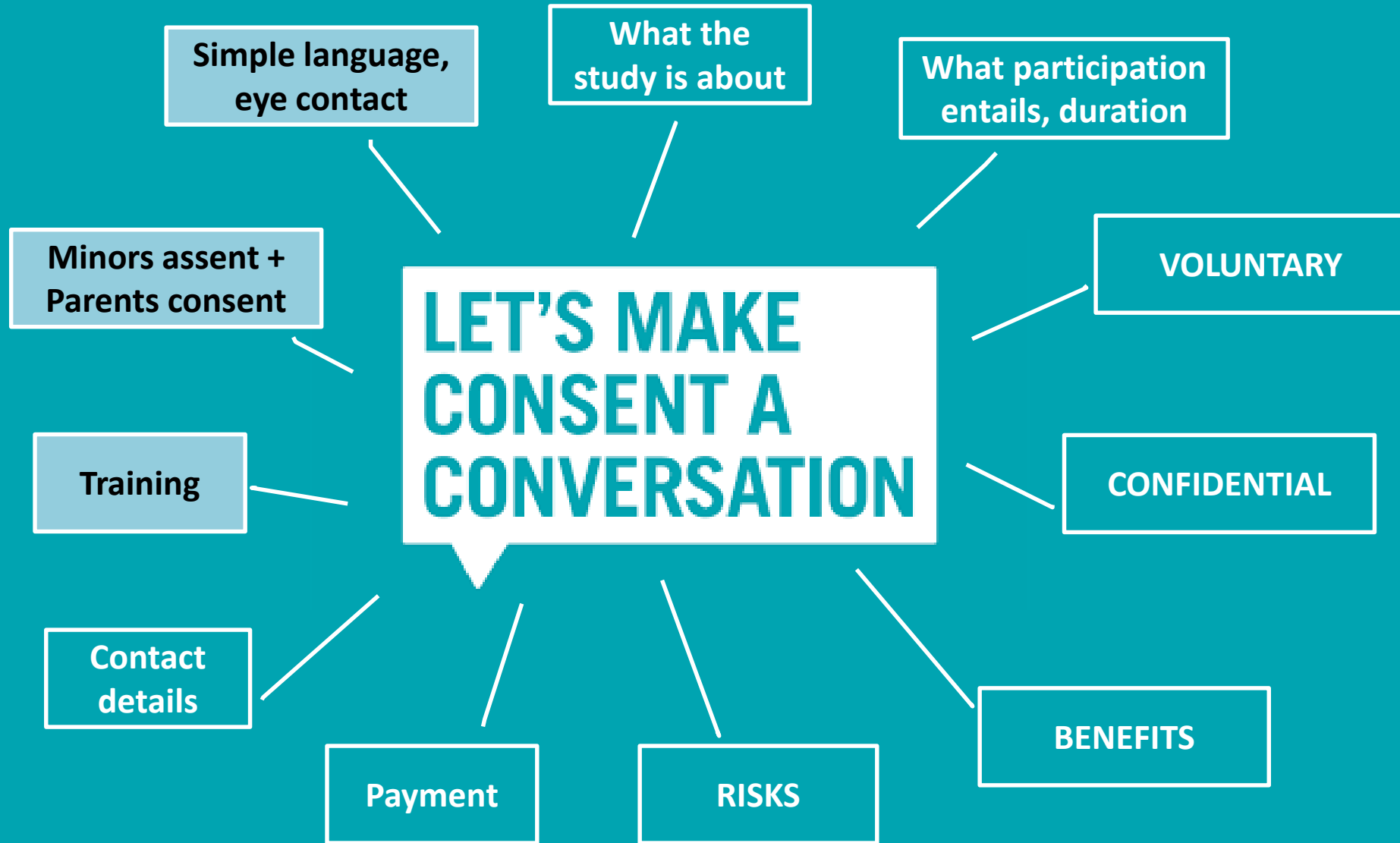
RESPECT

Have you

1. Been asked to participate in a survey (in person/phone)
2. Surveyed someone
3. Both
4. Neither







What is an IRB



An **Institutional Review Board** is a group designated by an institution to approve, monitor, and review research involving **human subjects** to ensure appropriate steps are taken to protect the rights and welfare of those subjects.

- PI's university
- University / government institution in the host country
- Commercial IRB
- NGO

The World Bank doesn't have an IRB.

Research with Human Subjects



Research: “a systematic investigation, including research development, testing and evaluation, designed to develop or contribute to **generalizable knowledge**.”

*Department of Health And Human Services
Code of Federal Regulations, Title 45 Part 46*

- **PII data** = Data that can be used to trace responses to specific individuals:
 - Any names
 - Addresses
 - Landmarks
 - GPS data
 - Phone numbers
 - Government ID numbers

IRB applications

- **Guidelines** on formulating the consent form
- Helps you think through **possible risks** and how to avoid or **minimize** them
- The IRB will provide a **framework** for thinking about ethics
- Mandatory certification on doing research with human subjects: [PHRP](#) (previously NIH), [CITI](#)

Don't violate the IRB!



- There was once an instance when an RA/FC lost a laptop which was not password protected with unencrypted PII data on it!
- IRB consequences –
 - The team had to inform the university IRBs of this mishap
 - Each HH that was surveyed had to be visited and informed of the situation



Data breaches

- Recently [Facebook](#), [Instagram](#), and [WhatsApp](#) have had data breaches which
 - leaked PII or
 - gave access to hackers to other applications on the users' phones
- As mentioned, there was once an instance when an RA/FC lost a laptop with unencrypted PII data in it!

Data Security



Loss of personal identifiable information can **harm** respondents

Data in traffic is encrypted



Study participants place their **trust** in us, so it is our **duty** to protect the data

Research teams need to encrypt the data on users' computers

Best Practices

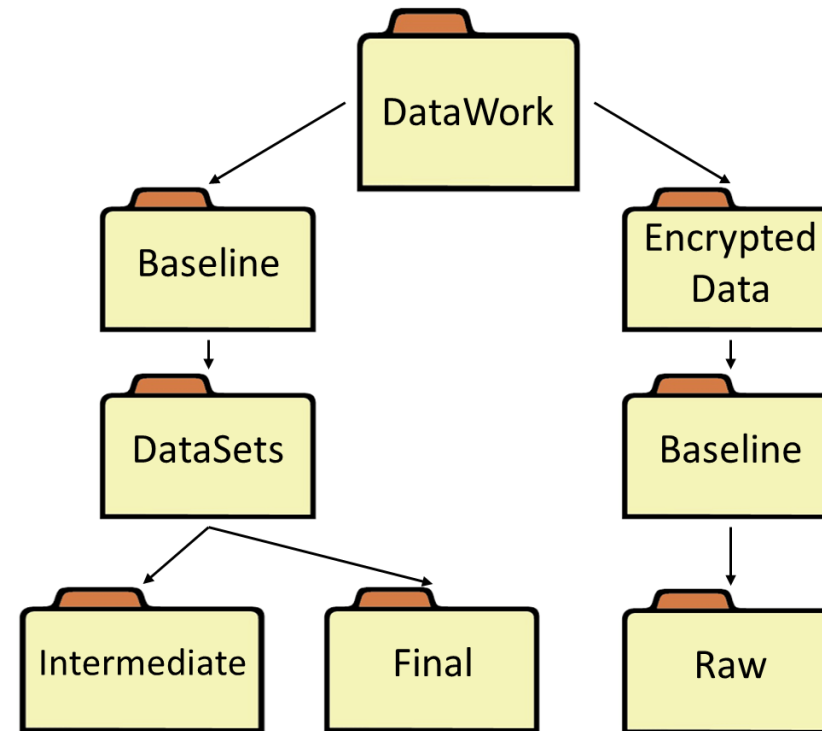


LastPass...

1. No email sharing – if sharing, password protected zips
2. 2-factor authentication
3. Password protected laptops & mobiles
4. Back-up on encrypted hard drive
5. Survey firm needs the setup

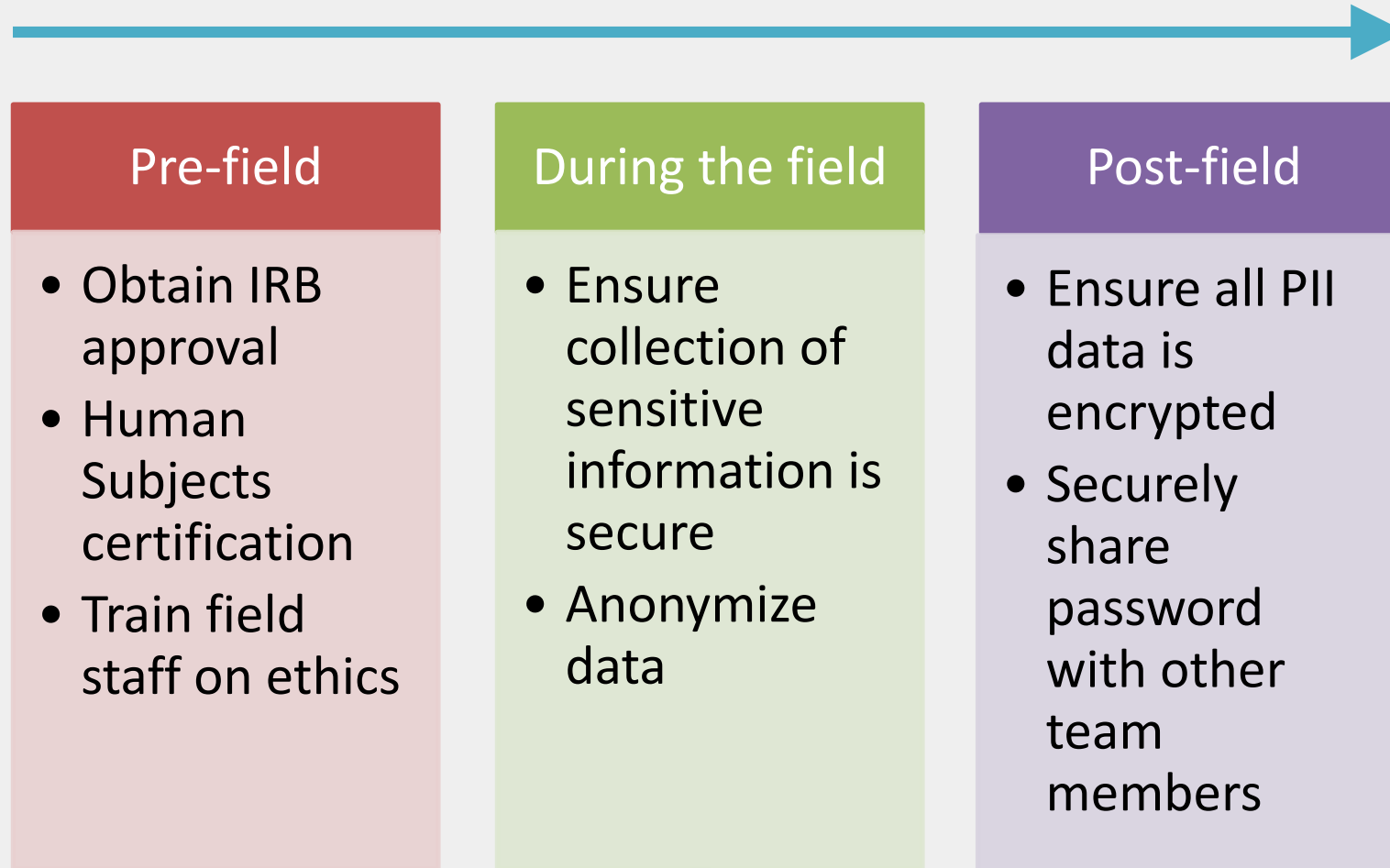
Data Encryption and Folder Structure

- **iefolder**
- Data containing personal identifiable information (PII) should be stored in the **Encrypted Data** folder which should then be encrypted
- Data in the non-encrypted folder should be de-identified



We will learn how to encrypt data during the hands on session

Consider data ethics throughout



Thank you!