Introduction to open-sourcing data

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https://www.youtube.com/watch?v=66oNv_DJuPc

Brief introduction into open-sourcing your data:

- Store your data in a simple format

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- Beware of privacy

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In this case .csv should be good.

Provide documentation

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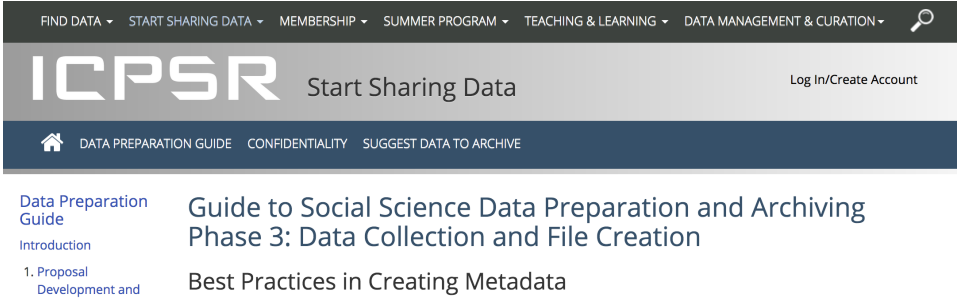
What would another researcher want to know?

- How and when was this data collected?
- What do the different variables describe?

Provide documentation (more details)



https://www.icpsr.umich.edu/icpsrweb/content/deposit/guide/chapter3docs.html

Beware of privacy

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Remove personally identifying information

NIST definition [edit]

The following data, often used for the express purpose of distinguishing individual identity, clearly classify as PII under the definition used by the National Institute of Standards and Technology (described in detail below):[15]

- Full name (if not common)
- Face (sometimes)
- Home address
- Email address (if private from an association/club membership, etc.)
- National identification number (e.g., Social Security number in the U.S.)
- Passport number
- Vehicle registration plate number
- Driver's license number
- Face, fingerprints, or handwriting
- Credit card numbers
- Digital identity
- Date of birth
- Birthplace
- Genetic information
- Telephone number
- Login name, screen name, nickname, or handle

https://en.wikipedia.org/wiki/Personally_identifiable_information

DOI:10.1145/1743546.1743558
Arvind Narayanan and Vitaly Shmatikov

Privacy and Security
Myths and Fallacies of "Personally Identifiable Information"

http://dx.doi.org/10.1145/1743546.1743558

In this case, we recommend:

- Removing PII (name, email address, etc)
- Removing TurkID
- Coarsen age, geography, and race/ethnicity
- Coarsen timestamp
- Anything else?

For more on coarsening, see this code:
https://github.com/compsocialscience/summer-institute/blob/master/2018/materials/day4-surveys/mturk_data_cleaning.Rmd

For more about de-identification, see *Bit by Bit*, Sec 6.6.2 "Understanding and managing informational risk"

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- When: when you publish your paper

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- Who: You
- What: make your data available to other researchers in a responsible way
- Where: Dataverse, ICPSR, or an archival data repository (your laptop is not an archival data repository)
- When: when you publish your paper
- Why: It is good for you and it is good for the world

In this case, you should archive your data here:
https://github.com/compsocialscience/summer-institute/tree/master/2018/materials/day4-surveys/datasets

When you start your projects next week

- plan to release your data
- plan to release your code

Questions