Case study 1

Refusal to share raw data

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Researcher X asks researcher Y to share the raw data that Y has collected and used in a publicly funded research project. A research report on the study has already been published. Y refuses to share the raw data with X. He says that no one has ever come to them with such a request and therefore they see no reason to start sharing their data now. As a response, X elaborates their reasons for their request for data sharing. Firstly, X would wish to gain access to raw data because X would like to re-analyse it with a new statistical technique. Secondly, X appeals to the open science policy of the funding organization Z that funded the study at hand. Z requires, as a pre-condition for getting funding, that the data collected and analysed be shared with other researchers. As a response to this, Y points out that according to the same policy, research grants below 100K do not obligate researchers to share their data, even though it is highly recommended. Therefore, Y refuses to share the raw data with X. However, Y does not comment on X's idea to re-analyse the raw data.

Questions for discussion:

1) It is clear, that it is not mandatory for researcher Y to share the data with X, however, is there a moral duty to do this? If so, should the policy of data sharing be changed to oblige researchers to share the data? What would be the practical and moral implications of such a change?
2) Researcher Y did not give any compelling reason not to share the data. What might be the possible reasons for refusal to share the data?

Case study 2

Using sensitive social media data for open science

Back in 2006, Tarana Burke kicked off the "MeToo" movement, aiming primarily to bring attention to the experiences of women who had suffered from sexual abuse and to highlight the unique impact of sexual abuse on persons of colour. In 2017, the online #MeToo movement, centred on sexual violence, took off in a big way and people from all over the world began openly sharing their personal stories of experiencing sexual violence and abuse, using the #MeToo hashtag. Since the inception of the #MeToo movement, researchers have explored related topics in academia, including research on online accounts of sexual violence on social media.

With the ability to extract data from social media platforms or partner with third-party organizations to access specific data collections, researchers now have the potential to access large amounts of data online.

While compiling extensive databases of statements from persons who have experienced sexual violence, as in the case of the #MeToo movement, questions arise about measures taken to ensure anonymity and providing a rationale for the quantity of collected social media data. Also, there are questions about whether these databases should be made freely accessible in open science repositories, and if yes, should the access be free or given only upon request and research ethics committee approval?

Currently, more and more journals require publishing data in open access repositories for their published papers. This dynamic introduces a dilemma, pitting researchers' efforts to protect persons' identities and privacy against the imperative to adhere to open science principles.

Questions for discussion:

1) The posts gathered from social media are publicly available. If so, does it mean, that there are no restrictions on how this data can be reused for research purposes?
2) What role if any is played by the fact, that the data contains disclosures of sexual violence? On what conditions the data can be reused?
3) How should the data be anonymized or pseudonymised in this case?
4) What are the specific ethical concerns related to reuse of social media data?