

| Concerns discouraging to share data  "Added effort and time. Organizing one's data for sharing can require a significant time commitment, depending on how they were initially organized." 1  "Lack of incentives. Many researchers feel that they will not receive suitable credit for sharing their data (for example, in the context of hiring or promotion), compared to other activities that they could instead engage in."  "Potential to be "scooped". Some researchers worry that if their data are shared, other researchers may be able to ask the same questions that they wish to ask, and thus rob them of the priority on publishing those findings."  "Concerns about errors being found. Researchers sometimes worry that sharing data could open them up to the possibility of others finding errors in their research." | TASK 1. SHARING YOUR RESEARCH DATA    |  |
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| others finding errors in their   |                                       |  |
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|  | research."                            |  |





<sup>&</sup>lt;sup>1</sup> The concerns are quoted from the Stanford Psychology Guide to Doing Open Science. Available at: <a href="https://poldrack.github.io/psych-open-science-guide/3">https://poldrack.github.io/psych-open-science-guide/3</a> datasharing.html



| "Concerns about                 |  |
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| <i>"weaponization".</i> In some |  |
| highly politicized domains of   |  |
| science (such as climate        |  |
| science), politically motivated |  |
| actors may use shared data      |  |
| in an attempt to discredit      |  |
| published work that             |  |
| contradicts their agenda."      |  |
| Add additional concerns         |  |
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| Add additional concerns         |  |
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| TASK 2. USING OPEN DATA CREATED BY OTHER RESEARCHERS |  |
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| Concerns discouraging to                             | Is this concern relevant for your group? |
| use open data²                                       | What is needed to mitigate this concern? |
| Doubts about quality of the                          |  |
| data   |  |
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| Lack of experience with open                         |  |
| data use   |  |
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| Varying data standards and                           |  |
| data formats   |  |
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| Risk of misinterpretation based                      |  |
| on inappropriate use of data,                        |  |
| e.g., difficulties to interpret                      |  |
| data once separated from                             |  |
| contextual information                               |  |
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<sup>&</sup>lt;sup>2</sup> Adapted from: Zuiderwijk, A., Shinde, R., & Jeng, W. (2020). What drives and inhibits researchers to share and use open research data? A systematic literature review to analyze factors influencing open research data adoption. *PloS One*, *15*(9), e0239283. <a href="https://doi.org/10.1371/journal.pone.0239283">https://doi.org/10.1371/journal.pone.0239283</a>



| Difficulties to find or access  |  |
|---------------------------------|--|
| reusable data                   |  |
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| Lack of knowledge on how to     |  |
| cite or attribute the source of |  |
| data                            |  |
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| Add additional concerns         |  |
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