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Training Materials for Responsible Open Science

TASK 1. SHARING YOUR RESEARCH DATA	
Concerns discouraging to share data	**Is this concern relevant to your group? What is needed to mitigate this concern?**
"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."	

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[1] The concerns are quoted from the Stanford Psychology Guide to Doing Open Science. Available at: https://poldrack.github.io/psych-open-science-guide/3_datasharing.html

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"Concerns about "weaponization". 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	
Add additional concerns	
Add additional concerns	
Add additional concerns	

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TASK 2. USING OPEN DATA CREATED BY OTHER RESEARCHERS	
Concerns discouraging to use open data[2]	**Is this concern relevant for your group? What is needed to mitigate this concern?**
Doubts about the quality of the data	
Lack of experience with open data use	
Verifying data standards and data formats	
Risk of misinterpretation based on inappropriate use of data, e.g., difficulties to interpret data once separated from contextual information	

[2] 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. https://doi.org/10.1371/journal.pone.0239283

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