PSYO 6001 F2020 Data Plan

A Data Management Plan created using DMP Assistant

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Data Collection

What types of data will you collect, create, link to, acquire and/or record?

The survey on alcohol use and personality will collect baseline demographic data, alcohol usage data, and data related to impulsivity and anxiety sensitivity. Workshop 1: Database Management Plans prescribes: "The study design is a simple cross-sectional questionnaire which will be administered to 130 volunteers collected using a general Internet sample. Data collection is entirely online using SurveyMonkey software, and participation is anonymous and voluntary." A spreadsheet in .csv format will be created to collect the tabular data. In line with the requirements (integrity, anonymization, and de-identification) by the REB at Dalhousie University, the de-identified data (raw, processed, analyzed, and final) will be made available on the Open Science Framework. The analysis will be published in journal articles.

All lab notebooks will be scanned and included as well in line with the requirements (integrity, anonymization, and de-identification) by the REB at Dalhousie University.

What file formats will your data be collected in? Will these formats allow for data re-use, sharing and long-term access to the data?

The data will be stored in .csv and .sav files as it is the most sharable cross-platform data file format. As such, the data will be published on the Open Science Framework to the extent that the participants' protection permits.

Reference: https://www.re3data.org/repository/r3d100011137

What conventions and procedures will you use to structure, name and version-control your files to help you and others better understand how your data are organized?

Version-control by combining the following:
(1) name of the project (example: ACS)
(2) data in the MMDDYYYY format (example: 01112022)
(3) version number abbreviated as "vX" with X being the version number (example: v2)
(4) name of the person who made the last changes to the file (example: Schminke)
Full Example:
ACS.01112022.v2.Schminke.csv

A special accessible spot for the "newest" version of the data will exist, but all older versions will be backed up in a dedicated "ACS Archive" folder.

Documentation and Metadata

What documentation will be needed for the data to be read and interpreted correctly in the future?

Information about the Study/Contextual Information
Contextual information will be provided on the Open Science Framework platform page,including research methodology used, variable definitions, vocabularies, classification systems, units of measurement, assumptions made, format and file type of the data, a description of the data capture and collection methods, explanation of data coding and analysis performed (including syntax files), and details of who has worked on the project and performed each task. A codebook will be provided as well on the Open Science Framework (OSF) platform. Moreover, the following abstract will appear on the OSF page.
"Research suggests that certain personality traits are risk factors for increased alcohol consumption. Impulsivity is a trait that indicates general behavioural disinhibition. Anxiety sensitivity is a personality trait that refers to fear of the physical sensations of anxiety. Moreover, drinking motivations (i.e., social, enhancement, conformity, and coping motive) are strong predictors of alcohol consumption. This study predicts that impulsivity, anxiety sensitivity, and all four subscales of drinking motives will be positively correlated with alcohol consumption. The study design is a simple cross-sectional questionnaire which will be administered to 130 volunteers collected using a general Internet sample. Data collection is entirely online using SurveyMonkey software, and participation is anonymous and voluntary."

(Source: Workshop 1: Database Management Plans prescribes for the Lay summary of project:)

How will you make sure that documentation is created or captured consistently throughout your project?

The Workshop 1: Database Management Plans prescribes for the Methodology prescribes that the study design is a simple cross-sectional questionnaire which will be administered to 130 volunteers collected using a general Internet sample. Data collection is entirely online using SurveyMonkey software, and participation is anonymous and voluntary.

A detailed codebook, which defines the variable type (numeric, categorical, text), units of measurement, and definitions, will make sure that coders have a consistent understanding of the different concepts.

A pilot study will be conducted to test the reliability and validity of the data collection and coding process.

Code should record all post-processing of the data (R Syntax).Manual changes to the dataset require that changes are documented in the "Manual dataset changes" Word Document available on the Open Science Framework (OSF) platform.

If you are using a metadata standard and/or tools to document and describe your data, please list here.

N/A

Storage and Backup

What are the anticipated storage requirements for your project, in terms of storage space (in megabytes, gigabytes, terabytes, etc.) and the length of time you will be storing it?

The used .csv and .sav file storage using numerical data for n=130 stored in long format will accommodate potential requirements for file versioning, backups, and growth over time within Microsoft OneDrive.

How and where will your data be stored and backed up during your research project?

Storage of data will be on two local devices (harddrive + PC) as well as in a safe cloud approved by Dalhousie University (Microsoft OneDrive).

How will the research team and other collaborators access, modify, and contribute data throughout the project?

A codebook will be provided to ensure consistency and cooperation. The codebook, which defines the variable type (numeric, categorical, text), definitions, and units of measurement, will be reviewed with all coders at the same time and location.
Data will be stored in long format and secured in a Dalhousie University-approved file exchange platform such as Microsoft OneDrive.

Preservation

Where will you deposit your data for long-term preservation and access at the end of your research project?

Deidentified data will be published on the Open Science Framework.

Reference: https://www.re3data.org/repository/r3d100011137

Indicate how you will ensure your data is preservation ready. Consider preservation-friendly file formats, ensuring file integrity, anonymization and de-identification, inclusion of supporting documentation.

A spreadsheet in .csv format will be created to collect the tabular data. In line with the requirements (integrity, anonymization and de-identification) by the REB at Dalhousie University, the de-identified data (raw, processed, analyzed, and final) will be made available on the Open Science Framework.

Sharing and Reuse

What data will you be sharing and in what form? (e.g. raw, processed, analyzed, final).

All types of de-identified data (raw, processed, analyzed, and final) will be stored in long format on the Open Science Framework (platform). Special emphasis will be on the transparent storage of raw data as component variables in .csv and .sav files to enable easy future reuse of the data.

Have you considered what type of end-user license to include with your data?

Attribution 4.0 International (CC BY 4.0) (Reference: https://creativecommons.org/licenses/by/4.0/)

What steps will be taken to help the research community know that your data exists?

Journal publications, which will be referenced in classes at Dalhousie University. The journal publication will be open access and available on JSTOR. Each publication will reference a link to the Open Science Framework, where raw, processed, analyzed, and final de-identified data are stored in long format.

Responsibilities and Resources

Identify who will be responsible for managing this project's data during and after the project and the major data management tasks for which they will be responsible.

The Principal Investigator is responsible for overseeing and executing the data management plan, data collection, data processing, and data storage

Principal Investigator: Tobias Gerhard Schminke (Dalhousie University, Political Science Department). tobias.schminke@dal.ca
Data collection takes place in the context of a Ph.D. thesis. The supervisor is Dr. Scott Pruysers and has access to the storage locations if access is required.

How will responsibilities for managing data activities be handled if substantive changes happen in the personnel overseeing the project's data, including a change of Principal Investigator?

Data collection takes place in the context of a Ph.D. thesis. Supervisor Dr. Scott Pruysers has access to the relevant data if access is required.

What resources will you require to implement your data management plan? What do you estimate the overall cost for data management to be?

N/A

Ethics and Legal Compliance

If your research project includes sensitive data, how will you ensure that it is securely managed and accessible only to approved members of the project?

Consent for the following will be collected from all participants through the consent form that also describes the project.
Data collection takes place in the context of a Ph.D. thesis. Data storage will happen on the Dalhousie University approved Microsoft OneDrive. Supervisor Dr. Scott Pruysers has access to the relevant data if access is required.
In line with the requirements (integrity, anonymization, and de-identification) by the REB at Dalhousie University, the de-identified data (raw, processed, analyzed, and final) will be made available on the Open Science Framework.

If applicable, what strategies will you undertake to address secondary uses of sensitive data?

N/A

How will you manage legal, ethical, and intellectual property issues?

N/A