Funded Research Records   Data Services

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Pavlovian Approaches to Promoting Self-Control

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DATA MANAGEMENT AND SHARING PLAN

Element 1: Data Type

A. Types and amount of scientific data expected to be generated in the project:
Data will be collected for individual rats during daily sessions. Time-stamped records will be generated of every stimulus and response event that occurs during each session. Summary behavioral data will be generated in every session.

B. Scientific data that will be preserved and shared, and the rationale for doing so:
All scientific data from this project will be preserved in the lab's password-protected data-storage account (Box.com). Summary behavioral data will be shared in Open Science Framework. Requests for full data sets will be promptly honored. This provides full public access and transparency.

C. Metadata, other relevant data, and associated documentation:
Statistical analysis code (in *R*) will be uploaded to Open Science Framework. Study protocols will be transparently described in published papers, facilitating evaluation of rigor and replication. Data collection instruments are commercially available from Med-Associates and are standard for the field of animal behavior research.

Element 2: Related Tools, Software and/or Code

No specialized tools are needed to access the shared scientific data. Files are saved in Microsoft Excel but, upon request, can be saved to Google Sheets. Statistical analyses will be conducted in *R*. The *R* code and output can be shared as a text file to those who do not have access to *R.*

Element 3: Standards

No consensus standards exist. However, we will report effect sizes to facilitate incorporation of our data into meta-analyses.

Element 4: Data Preservation, Access, and Associated Timelines

A. Repository where scientific data and metadata will be archived: Open Science Framework (OSF).

B. How scientific data will be findable and identifiable:
OSF Web address, directing the user to our data and analyses will be provided in all published papers. This web address is a persistent unique identifier.

C. When and how long the scientific data will be made available:
Scientific data will be made available at the time that our results are submitted for publication. This allows reviewers to evaluate all aspects of our work. The data will be available in OSF in perpetuity.

Element 5: Access, Distribution, or Reuse Considerations

A. Factors affecting subsequent access, distribution, or reuse of scientific data:
All data will be collected with rodents, so no consent, privacy, or confidentiality factors will limit access, distribution, or reuse of our scientific data.

Whether access to scientific data will be controlled:
Our data will be freely accessible to all in OSF; no approvals will be required.

B. Protections for privacy, rights, and confidentiality of human research participants: NA

Element 6: Oversight of Data Management and Sharing

The PI will provide oversight of the data management and sharing plan. Graduate students working on the project will prepare all summary data files, statistical code, and statistical output. The PI will review all three of these file types before they are publicly shared in OSF. The PI will ensure that these files are correctly loaded to OSF. This oversight will occur during the process of preparing a manuscript for publication and will be completed at the time the manuscript is submitted for publication.