

LinkageLibrary at ICPSR

Building a benchmark record linkage repository

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Our goals:

- Accelerate development of new record linkage and evaluation methods, and use on real data
- Improve reproducibility of analyses
- Develop critical collaborations between researchers, users, and data custodians
- Help close the gap between research and practice
- Train the next generation of multi-disciplinary data scientists who can lead the field.
- Build cross-disciplinary community around data linkage

Our approach:

- Build a repository that is based on openICPSR
- Seed it with a variety of exciting projects
- Invite the research community to:
 - ❖ Visit the site
 - ❖ Download and use code and data
 - ❖ Create projects
 - ❖ Comment on existing projects
 - ❖ Contribute to existing projects

LinkageLibrary Home Page

Publication Date: Sept 19, 2017

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At A Glance

Data & Docs

Bibliography 8

Discussion 4

Linkages 2

Project Citation

Kiser, S. (2016). Action Control of Affordances in an Implicitly Cued Simon Task (Data set). Inter-university Consortium for Political and Social Research (distributor). <https://doi.org/10.3886/E100365V1>

Persistent URL: <http://doi.org/10.3886/E100365V1>

Project Description

Summary: The present study used covert means to implicitly cue responses in a Simon Task in order to investigate how participants anticipate and resolve conflicts between relevant and irrelevant stimulus information. Participants were randomly assigned to either a Non-predictive or a Predictive Simon Task in which implicit cues predicted the correct response. Results showed that, despite an overall high level of accuracy between the two tasks, when implicit cues were present the average Simon Effect was significantly smaller compared to when cues were absent. Group mean differences in Simon effect scores support that implicit priming mechanisms modulate response selection and action monitoring when conveying information about response outcomes. These results demonstrate that knowledge learned implicitly can be used to resolve conflict between relevant and irrelevant stimulus information in order to avoid non-optimal behavior, providing evidence for the role of implicit learning in action control of response affordances.

Scope of Project

Subject Terms: [Implicit Learning](#), [Response Inhibition](#), [Simon Effect](#)

Geographic Coverage: Washington, DC

Collection Date(s): 12/1/2010 – 12/1/2011 (Winter 2010 to Winter 2011)

Universe: Undergraduate students from the Catholic University of America ages 18 to 23 years.

Data Type(s): experimental data

Collection Notes: Mean of median reaction times for correct responses were calculated for each individual and each condition collapsed across trials for each block. Only valid cues predictive of correct responses were taken for the Predictive Simon task in order to make direct comparisons to the Non-Predictive Simon task, which contains no invalid trials.

Scope of Project

Response Rate: Fifty-three undergraduates from the Catholic University of America were recruited and received course credit to participate in the present study but only forty-eight (32 females, 16 males, aged 18 to 23 years, $M = 18.92$, $SD = 1.22$) met the inclusion criteria for the analysis.

Unit(s) of Observation: Accuracy; Mean of Median Reaction Times (MMRT); and Calculated Simon Effect scores (Incongruent Trial MMRT - Congruent Trial MMRT)

Published Versions

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V2 [2017-05-30](#)

V1 [2016-12-20](#)

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Code Contributions (2)

Merge Dataset using Perl

Perl

Global Recodes

Python

[Submit your linkage code](#)

[Report a Problem](#)

Found a serious problem with the data, such as disclosure risk or copyrighted content? Let us know.

LinkageLibrary File Space

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




Bibliography

Discussion

Linkages

Breadcrumbs > [Will Appear](#) > [As Users Navigate](#) > Folders

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 Spss Data	application/spss-sav	212.8 KB	09/13/2017 01:23:PM	...
 Stata Data	application/stata-do	2.5 MB	09/13/2017 01:23:PM	...
 Excel File	text/csv	13 KB	09/13/2017 01:23:PM	...
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Discussion **9**

Linkages **2**

More published analyses of the data in this study may exist. If you know of any not listed here, please [suggest a new citation](#).

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<input type="checkbox"/>	RIS EndNote		Substance Abuse and Mental Health Services Administration. Mental Health Services Administration. Full Text Options: PDF Original source Export Options: RIS EndNote	Author Pub Date (Newest) Recent Additions	
<input type="checkbox"/>		2017	Dandu, Kartik V., Camiol, Eric T., Sanghvi, Saurin, Baredes, Soly, Eloy, Jean A. A 10-year analysis of head and neck injuries involving nonpowder firearms. <i>Otolaryngology - Head and Neck Surgery</i> . . Full Text Options: DOI WorldCat Google Scholar Export Options: RIS EndNote		related studies/series
<input type="checkbox"/>		2014	Richards, Tara N., Jennings, Wesley G., Tomsich, Elizabeth, Gover, Angela A 10-year analysis of rearrests among a cohort of domestic violence offenders. <i>Violence and Victims</i> . 29, (6), 887-906 Full Text Options: DOI WorldCat Google Scholar Export Options: RIS EndNote		related studies/series
<input type="checkbox"/>		1990	Williamson, D.F., Kahn, H.S., Remington, P.L., Anda, Robert F. The 10-year incidence of overweight and major weight gain in US adults. <i>Archives of Internal Medicine</i> . 150, (3), 665-672. Full Text Options: DOI WorldCat Google Scholar ICPSR's Standard Bibliography Display Export Options: RIS EndNote		related studies/series
<input type="checkbox"/>		2014	Goodwin, R D., Scheckner, B., Pera, L., Feldman, J.M., Taha, F., Lipsitz, J D A 10-year prospective study of respiratory disease and depression or anxiety in adulthood. <i>Annals of Allergy, Asthma and Immunology</i> . . Full Text Options: DOI WorldCat Google Scholar Export Options: RIS EndNote		
<input type="checkbox"/>		1986	Madans, Jennifer H., Cox, Christine S., Kleinman, Joel C., Makuc, Diane, Feldman, Jacob J., Finucane, Fanchon F., Barbano, Helen E., Cornoni-Huntley, Joan 10 Years After NHANES I: Mortality Experience at Initial Followup, 1982-1984. <i>Public Health Reports</i> . 101, (5), 474-481. Full Text Options: WorldCat Google Scholar Export Options: RIS EndNote		
<input type="checkbox"/>		1986	Madans, Jennifer H., Kleinman, Joel C., Cox, Christine S., Barbano, Helen E., Feldman, Jacob J., Cohen, B., Finucane, Fanchon F., Cornoni-Huntley, Joan 10 years after NHANES I: Report of Initial Followup, 1982-1984. <i>Public Health Reports</i> . 101, (5), 465-473. Full Text Options: WorldCat Google Scholar Export Options: RIS EndNote		related studies/series
<input type="checkbox"/>		1991	Williamson, D.F., Kahn, H.S., Byers, T. The 10-y incidence of obesity and major weight gain in black and white US women aged 30-55 y. <i>American Journal of Clinical Nutrition</i> . 53, (6 Suppl.), 1515S-1518S. Full Text Options: WorldCat Google Scholar		

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Data & Docs

Bibliography 8

Discussion 3

Linkages 2

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With 5 comments in the
thread.

5

Another thread

2

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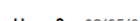
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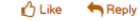
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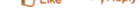
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
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 Data & Docs

 Bibliography 8

 Discussion 8

 Linkages 2

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 Comments

Global Recodes

Contributor Name | Dec 9th 2017

This linkage is a part of the process of data integration – linking combines the input sources (census, sample surveys and administrative data) into a single population, but integration also processes this population to remove duplicates/mis-matches. The first step in data linkage is to determine needs, the data availability, and whether a unique identifier exists

Method: Probabilistic

Python

[Related Data Sets](#)

Data sets related to this linkage:

[Dataset 1 in DLRep Collection \(DLRep Study Number\)](#)

[Dataset 2 in ICPSR's Collection \(ICPSR Study Nuber\)](#)

[Data Set that has been linked outside of DLRep](#)



30

15

 Liked

 Comments

Merge Dataset using Perl

Contributor Name | Dec 9th 2017

In this code, we synthesized the evidence identifying participant or population characteristics that can influence the validity and completeness of data linkage and may be associated with systematic bias in reported outcomes. The purpose of this code was to synthesize the evidence through a structured narrative review of population characteristics that may be associated with changes in sensitivity and specificity of data linkage, thereby introducing systematic bias into reported outcomes...

Method: Deterministic

Perl

Sas

[Related Data Sets](#)

Data sets related to this linkage:

[Dataset 1 in DLRep Collection \(DLRep Study Number\)](#)

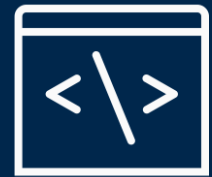
Three types of projects



**Data &
Code**



Data Only



Code Only

Seeding the LinkageLibrary

- Bailey et al. **LIFE-M** project
- Levenstein et al. **CensHRS** project
- Jason Owen-Smith et al. **IRIS** project
- Antonie et al. **Sunshine List**
- Access to **CARRA** Census Bureau benchmark files

Join us!

- Lead and learn in a record linkage community
- Full metadata for linked data and methodology
- LinkageLibrary is looking for contributors and users
- Soft launch expected by year's end
- Contact Susan Leonard at ICPSR for more information (hautanie@umich.edu)