

Stanford



Patrick Bissett

Research Scientist

Psychology

Bio

ACADEMIC APPOINTMENTS

- Social Science Research Scholar, Psychology

LINKS

- Personal Website: <http://bissettp.github.io>

Publications

PUBLICATIONS

- **Modelling human behaviour in cognitive tasks with latent dynamical systems.** *Nature human behaviour*
Jaffe, P. I., Poldrack, R. A., Schafer, R. J., Bissett, P. G.
2023
- **A dual-task approach to inform the taxonomy of inhibition-related processes.** *Journal of experimental psychology. Human perception and performance*
Bissett, P. G., Jones, H. M., Hagen, M. P., Bui, T. T., Li, J. K., Rios, J. A., Mumford, J. A., Shine, J. M., Poldrack, R. A.
2022
- **Estimating the Time to Do Nothing: Toward Next-Generation Models of Response Inhibition** *CURRENT DIRECTIONS IN PSYCHOLOGICAL SCIENCE*
Bissett, P. G., Poldrack, R. A.
2022
- **Predicting brain activation maps for arbitrary tasks with cognitive encoding models.** *NeuroImage*
Walters, J., King, M., Bissett, P. G., Ivry, R. B., Diedrichsen, J., Poldrack, R. A.
2022: 119610
- **Relating psychiatric symptoms and self-regulation during the COVID-19 crisis.** *Translational psychiatry*
Vaghi, M. M., Hagen, M. P., Jones, H. M., Mumford, J. A., Bissett, P. G., Poldrack, R. A.
2022; 12 (1): 271
- **Momentary Influences on Self-Regulation in Two Populations With Health Risk Behaviors: Adults Who Smoke and Adults Who Are Overweight and Have Binge-Eating Disorder.** *Frontiers in digital health*
Scherer, E. A., Metcalf, S. A., Whicker, C. L., Bartels, S. M., Grabinski, M., Kim, S. J., Sweeney, M. A., Lemley, S. M., Lavoie, H., Xie, H., Bissett, P. G., Dallery, J., Kiernan, et al
2022; 4: 798895
- **The cognitive and perceptual correlates of ideological attitudes: a data-driven approach.** *Philosophical transactions of the Royal Society of London. Series B, Biological sciences*
Zmigrod, L., Eisenberg, I. W., Bissett, P. G., Robbins, T. W., Poldrack, R. A.
2021; 376 (1822): 20200424
- **Severe violations of independence in response inhibition tasks.** *Science advances*

- Bissett, P. G., Jones, H. M., Poldrack, R. A., Logan, G. D.
2021; 7 (12)
- **Design issues and solutions for stop-signal data from the Adolescent Brain Cognitive Development [ABCD] study.** *eLife*
Bissett, P. G., Hagen, M. P., Jones, H. M., Poldrack, R. A.
2021; 10
 - **Dataset decay and the problem of sequential analyses on open datasets.** *eLife*
Thompson, W. H., Wright, J., Bissett, P. G., Poldrack, R. A.
2020; 9
 - **Correlation Database of 60 Cross-Disciplinary Surveys and Cognitive Tasks Assessing Self-Regulation.** *Journal of personality assessment*
Mazza, G. L., Smyth, H. L., Bissett, P. G., Canning, J. R., Eisenberg, I. W., Enkavi, A. Z., Gonzalez, O., Kim, S. J., Metcalf, S. A., Muniz, F., Pelham, W. E., Scherer, E. A., Valente, et al
2020: 1–8
 - **Point of View: Open Exploration.** *eLife*
Thompson, W. H., Wright, J., Bissett, P. G.
2020; 9
 - **Reply to Friedman and Banich: Right measures for the research question.** *Proceedings of the National Academy of Sciences of the United States of America*
Enkavi, A. Z., Eisenberg, I. W., Bissett, P. G., Mazza, G. L., MacKinnon, D. P., Marsch, L. A., Poldrack, R. A.
2019
 - **Uncovering the structure of self-regulation through data-driven ontology discovery.** *Nature communications*
Eisenberg, I. W., Bissett, P. G., Zeynep Enkavi, A., Li, J., MacKinnon, D. P., Marsch, L. A., Poldrack, R. A.
2019; 10 (1): 2319
 - **A consensus guide to capturing the ability to inhibit actions and impulsive behaviors in the stop-signal task** *ELIFE*
Verbruggen, F., Aron, A. R., Band, G. H., Beste, C., Bissett, P. G., Brockett, A. T., Brown, J. W., Chamberlain, S. R., Chambers, C. D., Colonius, H., Colzato, L. S., Corneil, B. D., Coxon, et al
2019; 8
 - **Large-scale analysis of test-retest reliabilities of self-regulation measures.** *Proceedings of the National Academy of Sciences of the United States of America*
Enkavi, A. Z., Eisenberg, I. W., Bissett, P. G., Mazza, G. L., MacKinnon, D. P., Marsch, L. A., Poldrack, R. A.
2019
 - **A consensus guide to capturing the ability to inhibit actions and impulsive behaviors in the stop-signal task.** *eLife*
Verbruggen, F. n., Aron, A. R., Band, G. P., Beste, C. n., Bissett, P. G., Brockett, A. T., Brown, J. W., Chamberlain, S. R., Chambers, C. D., Colonius, H. n., Colzato, L. S., Corneil, B. D., Coxon, et al
2019; 8
 - **Applying novel technologies and methods to inform the ontology of self-regulation.** *Behaviour research and therapy*
Eisenberg, I. W., Bissett, P. G., Canning, J. R., Dallery, J., Enkavi, A. Z., Whitfield-Gabrieli, S., Gonzalez, O., Green, A. I., Greene, M. A., Kiernan, M., Kim, S. J., Li, J., Lowe, et al
2018; 101: 46-57
 - **Dopaminergic medication shifts the balance between going and stopping in Parkinson's disease** *NEUROPSYCHOLOGIA*
Wylie, S. A., van Wouwe, N. C., Godfrey, S. G., Bissett, P. G., Logan, G. D., Kanoff, K. E., Claassen, D. O., Neimat, J. S., van den Wildenberg, W. M.
2018; 109: 262–69
 - **Resisting distraction and response inhibition trigger similar enhancements of future performance.** *Acta psychologica*
Bissett, P. G., Grant, L. D., Weissman, D. H.
2017; 180: 40-51
 - **Identifying Stimuli That Cue Multiple Responses Triggers the Congruency Sequence Effect Independent of Response Conflict** *JOURNAL OF EXPERIMENTAL PSYCHOLOGY-HUMAN PERCEPTION AND PERFORMANCE*
Weissman, D. H., Colter, K. M., Grant, L. D., Bissett, P. G.
2017; 43 (4): 677-689
 - **Applying novel technologies and methods to inform the ontology of self-regulation** *Behaviour Research and Therapy*

Eisenberg, I. W., Bissett, P. G., Enkavi, A. Z., Poldrack, R. A.

2017; 46–57

- **Investigating motor initiation and inhibition deficits in patients with Parkinson's disease and freezing of gait using a virtual reality paradigm.** *Neuroscience*
Georgiades, M. J., Gilat, M., Ehgoetz Martens, K. A., Walton, C. C., Bissett, P. G., Shine, J. M., Lewis, S. J.
2016; 337: 153-162
- **The Dynamics of Functional Brain Networks: Integrated Network States during Cognitive Task Performance.** *Neuron*
Shine, J. M., Bissett, P. G., Bell, P. T., Koyejo, O., Balsters, J. H., Gorgolewski, K. J., Moodie, C. A., Poldrack, R. A.
2016; 92 (2): 544-554
- **The Experiment Factory: Standardizing Behavioral Experiments** *FRONTIERS IN PSYCHOLOGY*
Sochat, V. V., Eisenberg, I. W., Enkavi, A. Z., Li, J., Bissett, P. G., Poldrack, R. A.
2016; 7
- **Generalized motor inhibitory deficit in Parkinson's disease patients who freeze** *JOURNAL OF NEURAL TRANSMISSION*
Bissett, P. G., Logan, G. D., van Wouwe, N. C., Tolleson, C. M., Phibbs, F. T., Claassen, D. O., Wylie, S. A.
2015; 122 (12): 1693-1701
- **Selective Stopping? Maybe Not** *JOURNAL OF EXPERIMENTAL PSYCHOLOGY-GENERAL*
Bissett, P. G., Logan, G. D.
2014; 143 (1): 455–72
- **Stop Before You Leap: Changing Eye and Hand Movements Requires Stopping** *JOURNAL OF EXPERIMENTAL PSYCHOLOGY-HUMAN PERCEPTION AND PERFORMANCE*
Bissett, P. G., Logan, G. D.
2013; 39 (4): 941–46
- **The Countermanding Task Revisited: Mimicry of Race Models** *JOURNAL OF NEUROSCIENCE*
Bissett, P. G.
2013; 33 (30): 12150+
- **Post-Stop-Signal Adjustments: Inhibition Improves Subsequent Inhibition** *JOURNAL OF EXPERIMENTAL PSYCHOLOGY-LEARNING MEMORY AND COGNITION*
Bissett, P. G., Logan, G. D.
2012; 38 (4): 955–66
- **Post-Stop-Signal Slowing: Strategies Dominate Reflexes and Implicit Learning** *JOURNAL OF EXPERIMENTAL PSYCHOLOGY-HUMAN PERCEPTION AND PERFORMANCE*
Bissett, P. G., Logan, G. D.
2012; 38 (3): 746–57
- **Stopping While Going! Response Inhibition Does Not Suffer Dual-Task Interference** *JOURNAL OF EXPERIMENTAL PSYCHOLOGY-HUMAN PERCEPTION AND PERFORMANCE*
Yamaguchi, M., Logan, G. D., Bissett, P. G.
2012; 38 (1): 123–34
- **Balancing Cognitive Demands: Control Adjustments in the Stop-Signal Paradigm** *JOURNAL OF EXPERIMENTAL PSYCHOLOGY-LEARNING MEMORY AND COGNITION*
Bissett, P. G., Logan, G. D.
2011; 37 (2): 392–404
- **Dissociating Interference-Control Processes Between Memory and Response**
Bissett, P. G., Nee, D., Jonides, J.
AMER PSYCHOLOGICAL ASSOC.2009: 1306–16
- **Nocodazole does not synchronize cells: implications for cell-cycle control and whole-culture synchronization** *CELL AND TISSUE RESEARCH*
Cooper, S., Iyer, G., Tarquini, M., Bissett, P.
2006; 324 (2): 237–42