Yrian Derreumaux

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Education

Ph.D. | University of California, Riverside   Riverside, CA
Social Psychology | Quant Minor   Expected Graduation: June 2023
Advisor: Brent Hughes, Ph.D.

B.A. | San Francisco State University
Psychology, *Cum Laude*
Honors Thesis: Probabilistic Category Learning   San Francisco, CA
Advisor's: Avi Ben-Zeev, Ph.D. & Gaurav Suri, Ph.D.   Graduation, 2018

A.S. | Johnson & Wales University   Charlotte, N.C.
Food Service Management, *Cum Laude*   Graduation, 2012

Research Interests

- Motivated information sampling; statistical learning; partisan biased interpretations
- Stereotypes and category learning; how stereotypes disrupt new associations
- Computational mechanisms underlying belief updating; cognitive reasoning
- Political pressures and preference falsification; how lies propagate across social networks
- Machine learning; neural collaborative filtering; recommendation engines

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Work Experience

Complex Cognition & Social Equity Lab   San Francisco, C.A.
Lab Manager   2017-2018
PI: Dr. Avi Ben-Zeev, Ph.D.

Ramen Shop Restaurant   Oakland, C.A.
Line Cook   2014-2017

Bistro La Bon   Charlotte, N.C.
Sous Chef   2011-2013

Honors and Awards

Dissertation Year Program Award $7,500
Outstanding Academic Achievement $1,00
1st place grant proposal Social Psychology $400
Irvin W. and Velma C. Hartman Family School $500
Social Affective Neuroscience Poster Award $150

Publications

* Indicates co-first author

Derreumaux, Y., Bergh, R., Hughes, B. (2022)*.* Partisan-Motivated Sampling: Re-Examining Politically Motivated Information Processing Across the Information Processing Chain. *Journal of Personality and Social Psychology*. https://doi.org/10.1037/pspi0000375.

Derreumaux, Y., Lindskog, M., Bergh, R., Hughes, B. (in press). Group-Motivated Sampling: From Skewed Experiences to Biased Evaluations. K. Fiedler, P. Juslin & J. Denrell (Eds), Sampling in judgment and decision making, Cambridge University.

Elder, J*., **Derreumaux, Y*.,** Hughes, B**.** (under review). Preference Falsification: How Social Conformity as an Interdependent, Recursive, and Multilevel Process Corrupts Public Knowledge
Derreumaux, Y., Elder, J., Ben-Zeev, A., Gaurav, S., Hughes, B. (under review). Stereotypes Disrupt Probabilistic Category Learning.
Derreumaux, Y., Shamsian, K., Hughes, B. (under review). Computational Underpinnings of Partisan Information Processing Biases and Associations with Depth of Cognitive Reasoning.
Derreumaux, Y., Elder, J., Hughes, B. (in preparation). Preference Falsification: An Empirical Investigation of Motivated Misrepresentation.

Invited Talks
Derreumaux, Y., Shamsian, K., Hughes, B. (2022). Computational Underpinnings of Partisan Information Processing Biases and Associations with Depth of Cognitive Reasoning. Social Affective Neuroscience Society (Remote due to COVID-19).
Derreumaux, Y., Bergh, R., Hughes, B. (2021). Partisan-Motivated Information Processing. Symposium Talk. Society for Personality and Social Psychology (Remote due to COVID-19).
Derreumaux, Y., Elder, J., Suri, R., Quimby, T., Ben-Zeev, A., Hughes, B. (2021): Social Knowledge Disrupts Category Learning: On the Stickiness of Stereotypes. UCR Social Psychology Proseminar, Riverside, CA.
Derreumaux, Y., Bergh, R., Hughes, B. (2020). Politically Motivated Information Processing: From Skewed Experiences to Biased Evaluations. Social Psychology Proseminar, Riverside, CA.

Chaired Symposia
Derreumaux, Y. (2021**).** Political Polarization Across Information-Processing: From Skewed Experiences to Biased Evaluations. Society for Personality and Social Psychology, Remote due to COVID-19.

Posters
indicates mentored undergraduate author
Derreumaux, Y., Hughes, B., (2022). Computational Underpinnings of Partisan Information Processing Biases and Associations with Depth of Cognitive Reasoning. Social Affective Neuroscience Society (Remote due to COVID-19). [Poster award winner]
Shamsian, K*., Ma, B., **Derreumaux, Y.,** Hughes, B., (2022). Blinded by the Bias: Computational Mechanisms Underlying Political Evidence Accumulation. Western Psychological Association, Portland, O.R.
Derreumaux, Y., Shamsian, K., Ma, B., Hughes, B. (2022). Computational Mechanisms Underlying Politically Motivated Reasoning. Poster presented at Society for Personality and Social Psychology, San Francisco, C.A.
Shamsian, K*., Ma, B., **Derreumaux, Y.,** Hughes, B., (2021). Motivated Seeing: How Partisan Bias Can Skew Evidence Acquisition. UC Riverside Psychology Undergraduate Research Conference, Remote due to COVID-19.
Shamsian, K*., Ma, B., **Derreumaux, Y.,** Hughes, B., (2021). Dissociating Partisan Biases During Evidence Acquisition Using Drift Diffusion Modeling. Western Psychological Association Convention, Remote due to COVID-19.
Chen, C*., Hanna, M*., **Derreumaux, Y.,** Elder, J., Hughes, B., (2021). Preference Falsification: Motivated Misrepresentations of Beliefs to Outgroup Political Members. UCLA Undergraduate Research Conference. Remote due to COVID-19.
Derreumaux, Y., Elder, J., Suri, R., Quimby, T., Ben-Zeev, A., Hughes, B. (2021). Social Knowledge Disrupts Learning. Poster presented at Social Affective Neuroscience Society, Remote due to COVID-19.

Ma, B*., Derreumaux, Y., Hughes, B., (2020). Sequential Group-Based Sampling Biases. UC Riverside Psychology Undergraduate Research Conference, Remote due to COVID-19.

Derreumaux, Y., Bergh, R., Hughes, B. (2020): The Partisan-Motivated Sampler. Poster presented at International Society for Political Psycho logy, Berlin, Germany.

Derreumaux, Y., Elder, J., Suri, R., Quimby, T., Ben-Zeev, A., Hughes, B. (2020): Social Interference in Probabilistic Learning: On the Stickiness of Stereotypes. Poster presented at Society for Personality and Social Psychology, New Orleans, L.A.

Derreumaux, Y., Bergh, R., Hughes, B. (2020): What I Can't see Won't Hurt me: Motivated Information Sampling. Poster presented at Society for Personality and Social Psychology, New Orleans, L.A.

Derreumaux, Y., Quimby, T., Suri, G., Ben-Zeev, A. (2019): Probabilistic Learning: Do Non-Diagnostic (task-irrelevant) Social Stimuli Interfere with Categorical Learning? Poster presented at Social Affective Neuroscience Society, Miami, F.L.

Derreumaux, Y., Baltazar, J., Wallace, L., Ben-Zeev, A. (2018): The Female Homogeneity Effect: Women, but Not Men, Are Accessed Faster at a Categorical Versus Name Level. Poster presented at Association for Psychological Science Annual Meeting, San Francisco, C.A.

Derreumaux, Y., Ben-Zeev, A., Suri, G., Quimby, T. (2018): Context Interference in Statistical Learning: Do Situations Augment Top-Down Processes at the Cost of Effective Reinforcement Learning? Presented at Bay Area Affective Science Annual meeting, Stanford University, C.A.

Derreumaux, Y., Wallace, L., Goldstein, E., Ben-Zeev, A. (2017): Walking a fine line: Backlash for Being a Woman in the Workplace. Poster presented at Association for Psychological Science Annual Meeting, Boston, M.A.

Derreumaux, Y., Wallace, L., Ben-Zeev, A. (2017): The Female Appearance Predicament: On the Objectification and Dehumanization of Socially Attractive and Unattractive Women Respectively. Poster presented at College of Science and Engineering, San Francisco, C.A.

Teaching Experience

Indicates graduate student course
Average Overall Effectiveness rating (AOE) out of 7

Research Methods 012 | Dr. Jimmy Calanchini– *Teaching Assistant* [AOE: n/a]
Statistics 212* | Dr. Dan Ozer– *Teaching Assistant* [AOE: 6.74/7]
Statistics 011 | Dr. Misaki Natsuaki– *Teaching Assistant* [AOE: 6.57/7]
Statistics 011(Summer Session B) | Kellan Kadoka – *Teaching Assistant* [AOE: n/a]
Social Psychology 140 | Dr. Kate Sweeney – *Teaching Assistant* [AOE: n/a]
Statistics 011 | Duyen Trang – *Teaching Assistant* [AOE: 6.44/7]
Statistics 011 | Dr. Annie Ditta – *Teaching Assistant* [AOE: 6.64/7]
Research Methods 012 | Dr. Brent Hughes – *Teaching Assistant* [AOE: 6.57/7]
Social Psychology 140 | Dr. Carolyn Murray – *Teaching Assistant* [AOE: n/a]
Complex Cognition | Dr. Avi Ben-Zeev – *Teaching Assistant* [AOE: n/a]
General Psychology | Professor Mary Hughes-Stone – *Tutor* [AOE: n/a]

Ad Hoc Reviews

Cognition**,** PNAS, Emotion, JPSP

Skills

Quantitative skills. Longitudinal/nested data using mixed models (Lme4, MASS) & structural equation models (Lavaan). Generalized linear & nonlinear models; Data visualization (ggplot2), recommendation engines (TensorFlow, BigQuery), Computational Modeling using Drift Diffusion Modeling (HDDM toolbox).
Programming: R, Python, JavaScript, PsyScope, Millisecond, Qualtrics, MATLAB, SPM, Bash, LaTeX, SQL, Git management

Languages: French (Intermediate), Norwegian (Intermediate)

Professional Affiliations

American Psychological Association, International Society for Political Psychology, Society for Social and Affective Neuroscience, Bay Area Affective Society, American Psychology Association