Lenard Dome

Doctoral Researcher
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RESEARCH AREAS

Computational Modelling of Cognition and Behaviour

Categorization, Learning, Social Categorization

Open Science and Open Software

PUBLICATIONS

2021   **Dome, L.**, Edmunds, C. E. R., Wills, A. J. (2021) "SUSTAIN captures category learning, recognition, and hippocampal activation in a unidimensional vs information-integration task." *Proceedings of the 43rd Annual Conference of the Cognitive Science Society.* Austin, TX: Cognitive Science Society.

Spicer, S. G., Wills, A. J., Jones, P. M., Mitchell, C., & **Dome, L.** (2021). "Representing uncertainty in the Rescorla-Wagner model: blocking, the redundancy effect, and outcome base rate." *Open Journal of Experimental Psychology and Neuroscience.* doi.org/10.46221/ojepn.2021.6623

2019   Wimmer, M. C., **Dome, L.**, Wennekers, T. & Hancock, P. J. B. "Is the letter cancellation task a suitable index of ego-depletion? Empirical and conceptual issues." *Social Psychology.* doi.org/10.1027/1864-9335/a000393

INVITED TALKS

2021   Clearing confounds from the inverse base-rate effect: Irrationality and concurrent load."2020 BSA / EPS Undergraduate Project Prize Talk." 2021.

The role of base rates in categorizing ambiguity and forming stereotypes. "LJMU Cognitive and Affective Neuroscience Group Seminar." 2021.

SOFTWARE

🐙 psp   **maintainer, developer** n-dimensional Parameter Space Partitioning
🐙 catlearn   **developer** Formal Psychological Models of Categorization and Learning

CONFERENCE PRESENTATIONS

2019   The British Psychological Society: South West Undergraduate Conference, Plymouth, UK.

GRANTS AND AWARDS

Awards and Honors

2019 **Awarded** BSA / EPS Undergraduate Project Prize Award for 2020

Grants and Fellowships

2019 **Awarded** Doctoral Training Studentship (1+3) fully funded by the Economic and Social Research Council in collaboartion with the South West Doctoral Training Partnership

TEACHING EXPERIENCE

Plymouth University

2019- Teaching and Support Assistant
       Demonstrator - Statistics and R
       Supervising Final-Year Project Students
       Marker

EDUCATION

Ph.D. School of Psychology, Plymouth University, In-progress
M.Sc. School of Psychology, Plymouth University, 2020
B.Sc. Psychology, Plymouth University, 2019

TECHNICAL SKILLS

Programming Languages

R   *computational modelling, data analysis, programming, algorithms*
Python   *experimental design, programming, computational modelling*
C++   *computational modelling*
Javascript *jsPsych*
CSS   *webdesign*
Bash   *UNIX*

Updated June 2021