Daniel A. Stehr

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Education

2020-	Post-doctoral fellow, Dartmouth College, Hanover, NH
2013-2020	Ph.D in Psychology, University of California Irvine, CA
2012	B.A. California Polytechnic University, Pomona, CA major: Philosophy minor: Psychology

Work Experience

2013-2020	Teaching Assistant School of Social Sciences, University of California, Irvine Advanced research methods lab, Research methods lab (honors), Psych fundamentals, Intro to psych, Motivation, Psych and film, Writing about memory
2017-2018	Research mentor for Julia Majdali (undergraduate campuswide honors student) "The neural basis of socioeconomic game play"
2016-2017	Research mentor for Lisa Harvey (undergraduate psychology honors student) "The influence of social cues on eye gaze behavior while viewing print advertisements (an eye tracking study)"

Presentations

2019	"Top-down attention guidance shapes action encoding in the pSTS" Poster presentation at Society for Neuroscience Conference in Chicago, IL
2016	"Sizing Up the Face: The Role of Configural Information during Face Perception" UC Irvine, Cognitive Sciences Colloquium
2015	"The Cognitive Neuroscience of Marketing and Branding" Talk to representatives for VF Corp

Publications

Stehr, D., Hickok, G., Hargus Ferguson, S., Grossman, E. (2021) Examining vocal attractiveness through measures of articulatory working space, *Journal of the Acoustical Society of America*, *150*(2), 1548-1564.

Stehr, D. , Zhou, X., Hwu, P., Pyles, J., Grossman, E. (2021). Top-down attention guidance shapes action encoding in the pSTS, *Cerebral Cortex*, *31*(7), 3522-3535.

Stehr, D., Garcia, J., Pyles, J., Grossman, E. [Under review]. The impact of trial averaging, mean centering, cost tuning, and data cleaning on multivariate pattern analyses using least squares separate (LSS) beta series.

Journals Reviewed

Proceedings of the National Academy of Sciences, NeuroImage, Scientific Reports

Research Skills/Statistical Knowledge

- Psychophysical measures and experiment design: systematic data collection, audio recording and post-processing, digital signal processing, image processing, collecting and analyzing eyetracking data, quantifying similarity/preference judgments through multidimensional scaling, analysis of a wide range of behavioral data (including paired comparisons, likert ratings, method of adjustment)
- fMRI analysis – univariate and multivoxel pattern analysis, functional connectivity, general and generalized linear models, linear mixed effects models, classification and machine learning, summarizing data through dimensionality reduction techniques
- Scientific communication: documenting reproducible statistical results using markup languages like Rmarkdown, data visualization, creating online web applications for displaying data and demonstrating statistical concepts, creating effective presentations for a wide range of audiences

Programming Skills:

- R, Rmarkdown, Shiny
- Matlab, PsychToolbox
- Python
- LaTeX