


Ryan M. Stolier, Ph.D.

Quantitative Researcher

I have 10+ years of experience in leading human-centered research, data analysis, coding, experimental design, surveys, measurement, team management, cross-functional collaboration, and research communication. These skills are combined with expertise in the psychology and neuroscience of human attitudes, cognition, and behavior.

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WORK EXPERIENCE

User Experience Researcher

Facebook

05/2021 - Present

Research Scientist

Columbia University

06/2019 - 04/2021

Tasks

- Led research applying regression and machine-learning to study human attitudes (> 100,000 measurements), presented to support grant funding (DoD)
- Collaboration in a multiple-site experiment, collecting longitudinal attitudinal, behavioral, and brain data from 800 human subjects within social networks
- Investigation of how people learn about relationships to guide social interaction (network analysis, multilevel modeling)

Data Scientist

SPARK Neuro

01/2019 - 05/2019

Tasks

- Designed research into consumer preferences for advertisements (> 50) and campaign messages, integrating psychometric, cognitive, and survey measures
- Development of data science tools (Python, time-series analysis)
- Company-wide presentations on research findings

Graduate Research Fellow

New York University

06/2014 - 05/2019

Tasks

- Research integrating surveys and log analysis to study how people develop attitudes toward others, resulting in 7 publications, > 120 citations, 2 talks
- Discovery that stereotypes impact the perception of faces in the brain, resulting in 7 publications, > 180 citations, 2 talks, the SANS Innovation Award
- Developed federal grant application (NIH) resulting in award of \$130,728 to direct neuroscience research into how emotion affects social behavior
- Creation of machine-learning and log analysis tools for neuroscience (PyMVPaw), used in 6 publications and distributed to the scientific community

EDUCATION

Ph.D. in Psychology

New York University (2019)

LANGUAGES

Python (Native)

R

MATLAB

SQL

Bash

Javascript

DATA ANALYSIS

Regression

Multilevel modeling

Machine learning

Significance testing

Classification

Cluster analysis

PCA

Factor analysis

Network analysis

TOOLS & SOFTWARE

NumPy

SciPy

Pandas

Statsmodels

Scikit-learn

Lmer

SPSS

SAS

MATLAB

Git

Matplotlib

Seaborn

ggplot

ACCOMPLISHMENTS

Production and communication of research

Research publication in 17 scientific journals, > 600 citations, 8 talks and 15 poster presentations at research conferences, media and television coverage, over 6500 research subjects collected

Research grants and awards

Secured a large federal grant to study the neuroscience of emotion (NIH, \$130,728), additional grants (\$17,000), recipient of the Social and Affective Neuroscience Society Innovation Award (2016)

Management and training of researchers

Served as the primary recruiter, manager, and advisor of 40+ students, 8 students now in competitive science graduate programs, 2 in data science