

Sarah Mughal

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Education

2025 – Present	Ph.D Candidate, Social Psychology <i>Advisor: Gandalf Nicolas</i>	Rutgers University
2020 – 2021	M.A. in Psychology (General track)	New York University
2016 – 2020	B.A. in Psychology	New York University

Research & Work Experience

2023 – 2025	Junior Research Associate <i>PI: Jay Van Bavel & Madalina Vlasceanu (2022-2023)</i>	New York University
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- Co-led the Global Social Media Study's leadership team:
 - Produced administrative organization and workflows for a multiphase project spanning over 20 countries
 - Programmed and distributed surveys using Qualtrics
 - Communicated project updates, coordinated survey translation, and accommodated funding submissions from over 800 international collaborators
 - Directed multiple survey companies simultaneously during data collection
 - Analyzed and rated study compliance using R and GPT
 - Initiated and maintained communication among leadership team members to meet progress deadlines
- Summarized lab research for lay audiences through the Social Identity & Morality Lab newsletter
- Managed and drafted IRB protocol submissions, modifications, and compliance
- Led and designed reforms to lab data storage and organizational systems
- Organized lab meetings and lab activities; tracked and handled lab administration and finances
- Created image ratings for inter-coder reliability analyses; conducted literature reviews
- Directed and trained a team of 8 undergraduate RAs
- Used R to create and format tables for publication; proofread and formatted accepted papers according to Nature, APA, and Science guidelines.

2022 – 2023	<i>Lab Manager</i> PI: David Badre	Brown University
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- Attained level 2 MRI safety training and ran MRI study sessions every week
- Designed and managed social media advertising campaigns to recruit participants
- Monitored IRB compliance by meeting with IRB staff, preparing amendments, and actively communicating about IRB policy change
- Helped complete NIH grant reports and managed the lab's NIH Data Archive repository by generating GUIDs and maintaining data structures
- Ran over 100 behavioral study sessions, which entailed completing phone screenings, analyzing response time data using Matlab, and monitoring participants
- Supervised and mentored 2 undergraduate RAs

- Created hippocampus masks by hand in ITK-SNAP using T1 weighted brain images
- Programmed more efficient and informative participant databases using Filemaker scripting
- Managed general administrative tasks such as: coordinating lab meetings and activities, maintaining lab technology and records, organizing lab manager social activities, submitting purchase requests, and managing secure data servers

2019 – 2020 Data Processing Intern NYU Child Study Center
PI: Moriah Thomason

- Created + QA'd functional and anatomical brain masks from fetal fMRI data by hand, using ITK-SNAP and BrainSuite
- Analyzed + organized data to determine if ADHD symptoms in early life were correlated with functional connectivity in the fetal brain, and presented findings via poster
- Helped develop protocols for lab work to assist other interns

2017 – 2019 Senior Extern Family Translational Research Group

- Assisted in recruiting, scheduling, tracking surveys and paying participants
- Transcribed qualitative interviews and assisted in data entry, cleaning, and organization for grant and military funded projects
- Presented articles during journal club and conducted literature reviews

Skills

Proficiency in: R/RStudio, Python/Anaconda, Qualtrics, ITK-SNAP

Basic Proficiency in: Matlab, Shell/Bash, C#/Unity, Github, BrainSuite, fsl

Awards and Service

2024 Prosocial Ranking Challenge Finalist

2017 – 2018 Sophomore Cohort President (NYU College of Arts and Sciences)

References

Dr. Jay Van Bavel

Professor, Department of Psychology & Department of Neural Science
 New York University
 jay.vanbavel@nyu.edu

Dr. Madalina Vlasceanu

Assistant Professor, Department of Environmental Social Sciences
 Stanford University
 mov@stanford.edu

Dr. Elizabeth Przybylinski

Clinical Associate Professor, Department of Psychology
 Senior Coordinator, MA Program
 New York University
 ep915@nyu.edu