Center for the Neural Basis of Cognition

Eric Yttri (1 or 2 students)
- Computational models of reinforcement to explain real-world decision-making processes

History

Benno Weiner (1 student)
- Research assistantship to read Chinese-language archival sources that date from 1930s and 1940s

Noah Theriault (2 students)
- Research assistantship to help expand, edit, and launch the “Political Ecologies of Pittsburgh” research portal, which aims to support student, faculty, and practitioner research on environmental-justice issues in our region
- Research assistantship to help analyze press coverage of the ongoing "traffic crisis" in Manila, including how the COVID-19 pandemic is affecting the Philippine transport system

Jay Aronson (1 student)
- A research assistantship should have deep knowledge of American history, the civil rights movement, policing/law enforcement, and gun policy to help with an ongoing project on police killings and deaths in custody in the United States. Students based in the New York/ New Jersey region preferred.

Institute for Politics and Strategy

Ignacio Arana (3 students)
- Research assistantship will study connections between the "Big Five" personality traits of presidents of the Western Hemisphere and relevant political outcomes
- Coronavirus & Political Leadership: Research assistantship will investigate how heads of government have reacted to the pandemic.
- Research assistantship help to develop the World Leaders Database Project (WLDP)
Dani Nedal (2 students)
- Politics of Covert Action research assistantship will primarily investigate US Congressional Records pertaining to US foreign political, specifically US covert actions and intelligence operation
- Hubert Humphrey Goes to China: A Counterfactual Analysis research assistant will collect historic polling data on US-PRC relations; sentiment analysis on a large dataset of Congressional Records

Philosophy

Kevin Zollman (1-3 students)
- Research assistantship on "Network Epistemology," includes literature search and synthesis, running simulation models, proving theorems, etc.

Psychology

Molly Lewis (2-4 students)
- Conduct meta-analysis on topics in cognitive/social psychology
- Research assistants will conduct online experiments probing the role of social context on non-social inferences (building on this paper)
- Conduct large scale analyses of dataset of drawings (from Quick, Draw!)

Daniel Yurovsky (1 student)
- Conduct online experiments investigating the integration of information from multiple sources (extension of this work)

David Rakison (1 student)
- Conduct online experiments to develop and test a new mate value questionnaire

N. Bonnie Nozari (2 students)
- Design experiments and collect and analyze online typing data with the goal of understanding the cognitive architecture of typing. Programming background highly encouraged. Example project

J. David Creswell (1 student)
- We aim to conduct multi-modal machine learning and regression-based analyses to explore predictors of student risk and resilience in several large longitudinal studies.

Timothy Verstynen (2 students)
- Research assistant will 1) Conduct modeling experiments on adaptive decision-making
- 2) Assist with machine learning analysis of neuroimaging data sets.
Anna Fisher (5 students)
- Research assistant will help with data analysis of eye tracking data; R programming experience and knowledge of statistical modeling needed
- Research assistant in this project will apply tools from NLP / machine learning / computational linguistics on English corpora; prior relevant experience needed
- Data analysis of fNIRS neuroimaging data and longitudinal data set
- Facilitate in transitioning cognitive development assessments to online format and assist with online recruitment of participants

Vicki Helgeson (1 student)
- Links of communal coping to relationships and health

Social & Decision Sciences

Russell Gollman (2 students)
- Research assistant will work on behavioral game theory project to design a game theory experiment in which subjects will make choices in a set of 80 strategic games. Assistants will run the study and help with fitting models.

Danny Oppenheimer (1-2 students)
- Contact faculty for options

Christina Fong (2 students)
- Research assistant who is math-oriented and also has programming or Mathematica skills to run math modeling. A second assistantship includes proofreading papers, format tables and general preparation manuscript for submission.