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StatLab Consultant—GPE Fellow—Yale Library StatLab

Mentor: Ted Ellsworth, Manager, Statistical Support Services, Yale Library StatLab

Fellow Title: StatLab Consultant—GPE Fellow—Yale Library StatLab

Organization Name: Yale Library StatLab

Organization Website: <https://library.yale.edu/help-and-research-support/research-support/statlab>

Organization Description:

Yale University Library's StatLab supports all data, computational, and statistical inquiries. Whether you are an undergraduate researcher learning statistics for the first time, or a seasoned researcher looking for new tools to analyze complex data, we aim to provide quality support through 1-1 consultations, specialized workshops and instruction, and expertly crafted research guides.

GPE Fellow Responsibilities:

StatLab Consultants — GPE Fellows provide high-level instruction and research assistance to faculty, staff, and students across the Yale University community through Statistical Support Services (StatLab). Consultants support all stages of the research workflow, including the collection, manipulation, and management of research data; the design and diagnosis of research frameworks; the use and evaluation of methodological tools; and the interpretation, visualization, and presentation of results. Beyond one-on-one consultations, fellows contribute to the broader Yale research community by developing instructional materials and supporting technical workshops focused on digital, data, and methodological literacy. Fellows attend bi-weekly staff meetings, share expertise, provide peer trainings, and collaborate with the StatLab team to build user-centered training resources for diverse research audiences.

Desired GPE Fellow Qualifications:

Applicants should demonstrate proficiency with advanced quantitative and/or qualitative data analysis methodologies and related software (e.g., R, Python, SAS, Stata, NVivo, MaxQDA). Successful completion of graduate-level coursework in data analytics or statistics is required. Strong oral and written communication skills, along with demonstrated analytical and organizational abilities, are essential. Preferred qualifications include proficiency in two or more

of R, Python, or Stata; experience teaching statistics or data science at a graduate level through coursework, workshops, or research presentations; familiarity with qualitative research methods and software (e.g., NVivo, Atlas.ti, MaxQDA); experience designing and administering survey research using tools such as Qualtrics or SurveyMonkey; and familiarity with IRB research protocols and CITI training certification. Strong candidates will also be able to showcase their ability to utilize AI tools and agents — such as Claude Code or OpenAI Codex — to enhance research workflows and deliver more robust methodological support to the Yale community.

GPE Fellow Learning Objectives:

Through this fellowship, GPE Fellows will develop a robust set of professional and scholarly competencies, including:

Consulting Practice: Fellows will build expertise in research consulting by advising a diverse clientele across disciplines, learning to diagnose methodological challenges, communicate complex analytical concepts clearly, and tailor guidance to varied levels of research experience.

Interdisciplinary Research: Fellows will gain exposure to a wide range of research designs, data types, and methodological approaches from across the humanities, social sciences, and natural sciences, deepening their ability to engage with and support scholarship outside their primary field.

Building Teaching Resources: Fellows will develop practical skills in instructional design by creating how-to guides, workshop materials, and training resources aimed at improving statistical and data literacy across the Yale community.

Number of Available Positions: 2