

Postdoctoral Fellow Positions at Harvard/MGH - 2021

SUMMARY:

[MJ Lab](#), based at Harvard Medical School and MGH Institute for Technology Assessment, seeks up to two postdoctoral fellows with strong analytical backgrounds in health research to join several new and ongoing projects. The lab utilizes data science, simulation modeling, and optimization methods to inform population-based decision and policy making. Areas of research include but are not limited to the opioid crisis, COVID-19 pandemic, and obesity. These postdoctoral opportunities provide researchers interested in faculty positions with training and hands-on experience in grant development, design and initiation of research projects, and team management.

MAIN REQUIREMENTS:

- **Research:** strong publication track record using one of these methods in health research:
 - supervised machine learning
 - classification, clustering, and deep learning
 - natural language processing
 - optimization
 - simulation modeling
 - causal inference
 - cost-effectiveness analysis
- **Doctoral degree:** A doctoral degree in population and outcome research, health policy, epidemiology, economics, biostatistics/statistics, mathematics, operations research, systems engineering, computer science, or a similar program is required.
- **Personal capabilities:** Creative thinking, ability to work independently, willingness to learn new skills, and the ability to handle multiple tasks are expected. Priority goes to highly motivated and organized individuals, committed to doing impactful research, with great attention to detail and excellent organization and team-work skills.

OTHER SKILLS & COMPETENCIES REQUIRED:

- Excellent writing skills for article and grant writing
- Proficiency in programming (R, Python, or MATLAB)

WORKING CONDITIONS:

Candidates will work closely with the supervisor and the team of postdocs, RAs, and interns in a collaborative, productive, and friendly research environment. The lab is located at the Institute for Technology Assessment: 101 Merrimac St, Boston, MA 02114; however, due to the ongoing COVID-19 pandemic, remote collaborations are available.

DURATION:

One-year with the expectation of renewal for a second year upon mutual agreement. Shorter durations can be considered for exceptional candidates.

HOW TO APPLY:

Send your CV and a cover letter to Dr. Mohammad Jalali ('MJ') at msjalali@mgh.harvard.edu (subject line: Postdoctoral Fellow). Include your graduate and preferred start date. Submit your application as soon as possible. Feel free to ask any questions.