

Research Position: Postdoctoral Researcher in Societal Transformations and AI

Project Title:

Societal Transformations and AI: A Demographic Perspective on Vulnerability and Adaptation in Italy

Project Overview:

This research initiative investigates the societal impact of artificial intelligence (AI) within the unique demographic context of Italy, characterized by an aging population, low fertility rates, and the depopulation of internal areas. By examining AI's influence on education, labor markets, and broader societal structures, the project aims to identify vulnerabilities within these demographic trends and explore adaptation strategies to harness AI's potential beneficially.

Position Description:

We are seeking a motivated and skilled Postdoctoral Researcher to join our interdisciplinary team. The successful candidate will contribute to an innovative research project that assesses the implications of AI on demographic trends in Italy. The researcher will work closely with the Principal Investigator and collaborate with other team members to achieve the project's objectives.

Key Responsibilities:

- Research and Analysis:
- Conduct comprehensive literature reviews on AI's societal impacts, particularly within the Italian demographic context.
- Utilize quantitative data from Italy's national statistics agency ISTAT and AI industry analytics to assess AI's penetration and effects in various sectors.
- Employ advanced statistical techniques to analyze patterns and trends related to AI's impact on employment, education, healthcare, and social mobility.
- Develop and apply scenario analysis to project potential future paths and visualize long-term impacts of AI on Italian society.

Project Management:

- Ensure timely completion of research tasks and contribute to the overall progress of the project.
- Prepare detailed demographic reports outlining the impact of AI on education, labor markets, and societal structures.

Policy and Framework Development:

- Develop targeted policy recommendations to help stakeholders prepare for and mitigate the adverse effects of AI.
- Propose adaptive educational and healthcare frameworks that utilize AI to benefit all population sectors equitably, focusing on both urban and rural areas.

Dissemination and Communication:

- Disseminate research findings through academic publications and presentations at national and international conferences.
- Engage with policymakers, stakeholders, and the broader community to communicate the project's insights and recommendations.

Qualifications:

- A PhD or Master's degree in a relevant field such as Demography, Sociology, Economics, Public Policy, Computer Science, Mathematics, or a related discipline.
- Strong quantitative research skills and experience with statistical analysis software (e.g., R, Python, SQL).
- Demonstrated ability to conduct independent research and manage complex projects.
- Excellent written and verbal communication skills, with a track record of academic publications.
- Knowledge of AI technologies and their socio-economic implications is highly desirable.
- Proficiency in Italian is a plus but not required.

Application Instructions:

Interested candidates should submit the following documents:

- A cover letter outlining their research interests and relevant experience.
- A detailed curriculum vitae (CV).
- Contact information for three academic references.
- A sample of relevant research work (e.g., a published paper or a chapter from the PhD thesis).

Contact Information:

For inquiries about the position, please contact Prof. Nicola Barban (n.barban@unibo.it).

Join us in this exciting research opportunity to explore the intersections of AI and demographic changes, and contribute to shaping the future of societal adaptation and resilience in Italy.