

Appointment**Post-Doctoral Research Associate****Position
Description:**

Yale-NUS College, a collaboration between the National University of Singapore and Yale University, is seeking to hire a Post-Doctoral Research Associate.

The successful candidate will be working with the Principal Investigator, Assistant Professor Angel Hsu in the Data-Driven EnviroLab and is expected to contribute to two of the Lab's main research projects: 1) Analysis of city, region, and non-state climate action; 2) the Urban Environment and Social Inclusion Index. Specific research tasks include:

- i. Design of automated techniques for data collection and scraping using Python.
- ii. Statistical analysis and modelling of datasets
- iii. Methodological development for evaluating carbon emissions reductions in key sectors, such as buildings and construction materials.
- iv. Writing for policy white papers and peer-reviewed publication.

Requirements

- A PhD in a relevant quantitative field, such as geography, statistics, architecture and sustainable design, computer science, data science, climate policy or science, quantitative policy analysis, political science, or economics.
- The ability to conduct analysis in at least one or two of the following languages/software: R, Python, JavaScript/HTML, GIS, Bash, or others. Ability to help lead the development and maintenance of open-source geospatial calculation tools utilizing GIS (QGIS or ArcGIS) and Google Earth Engine.
- Excellent interpersonal and communication skills. Demonstrated ability to manage projects, collaborate with multiple partners across time zones and cultural contexts, and supervise student research assistants.
- Experience designing and conducting independent research, including familiarity with authoring and publishing peer-reviewed literature.
- Demonstrated ability to think critically and creatively when confronted with new challenges.
- Fluency in English required, and a working knowledge of other languages is preferred.

**Application
Procedure**

For full consideration, please submit the following materials to faculty.hr@yale-nus.edu.sg

- Cover letter
- CV
- Statement on research interests and intended area of research
- Names and contact information of references

Applications will be accepted until the position is filled and only shortlisted candidate will be notified.

**Equal Opportunity
Employer**

Yale-NUS College achieves excellence through the diversity of its students, faculty, and staff and by embracing inclusivity, equity, and global engagement. We encourage applications by diverse individuals with a demonstrated commitment to continually support these values. For more information about the College, please visit <https://www.yale-nus.edu.sg/>.

**Personal Data
Protection Act
(PDPA):**

Candidates should understand that by sharing information with Yale-NUS, they authorise the College to use their personal data for the purposes of this application. The College will not use their data for any purposes beyond those relevant to the application process, and that their data remains secure and confidential.