Job Title: Senior Policy Analyst, Air Quality Life Index (AQLI)

Job Location: Hyde Park Campus, Chicago, IL

Job Summary: The Energy Policy Institute at the University of Chicago (EPIC) is seeking an experienced data and policy professional to join its team as a Senior Policy Analyst responsible for the Air Quality Life Index, or AQLI. The AQLI is an award-winning, web-based tool based on frontier research by EPIC’s director, Michael Greenstone, which quantified the causal relationship between long-term exposure to air pollution and reduced life expectancy. AQLI combines this research with satellite-derived air-pollution data for the entire world to provide novel insights on both pollution and health. Through AQLI’s intuitive platform, users in communities around the world can learn not only how dirty the air they breathe is, but also how it will translate into the metric that matters most: its impact on their life expectancy. AQLI's web platform has been produced in English, Mandarin, and Hindi, and has served as the foundation for influential analytical reports examining air quality and health trends in nearly a dozen countries around the world in a half-dozen languages. It has been widely covered in the U.S., international, and country-specific media. The Senior Policy Analyst will play a pivotal role in managing the ongoing development of the AQLI web platform as well as using the tool to produce insights for global policymakers through creative data analysis and reports.

If interested, please apply directly to the role at the link below: https://uchicago.wd5.myworkdayjobs.com/External/job/Hyde-Park-Campus/AQLI-Senior-Policy-Analyst_JR07604

Unit-specific Competencies:
Policy Analysis and Reporting
1) Independently conduct research on country-specific air pollution trends, issues, and policies, and write up for country reports.
2) Develop, maintain, and deliver a content schedule for regular country reports and updates.
3) Use pollution data to create tables, graphs, and custom maps for country reports.
4) Use AQLI pollution and health data to conduct custom analyses on the impact of specific policies (both prospective and retrospective).
5) Work with PI to devise and implement methodologies to expand the scope of the AQLI, such as adapting the AQLI to be compatible with real-time air pollution mobile apps.
6) Assist in making AQLI presentation slides.
7) Monitor relevant news and policy developments in key countries.
8) In coordination with communications staff, respond to media inquiries both as a source of background knowledge and to provide on-the-record expertise.
9) With communications liaison, coordinate output with graphic designers, web developers, translators, and other professionals inside and outside of EPIC, as needed.
Website/Data
1) Working with web development team, process satellite pollution data and population data in order to update website with new data (typically once per year).
2) Update spatial mapping data (shapefiles) as needed.
3) Proactively develop new features for the AQLI website (e.g., new data visualizations, charts, or other forms of multimedia).

Unit-preferred Responsibilities:
1) Excellent attention to detail, not only for data accuracy, but also for boundary interpretations and other political issues.
2) Demonstrated skills in data wrangling and visualization, such as in R, Python, and Stata.
3) Skills in working with spatial data, preferably in R or Python, or ability and willingness to be a fast learner.
4) Demonstrated ability to analyze data and convey insights from data in the form of reports, charts, and graphics.
4) Highly capable of taking initiative and working independently while remaining in close coordination with graphic designers and communications professionals.
5) Proven ability to juggle competing priorities with diplomacy, tact, and goodwill.
6) Superior news judgment and some experience speaking with and writing for the media.

Preferred Qualifications:
Education
1) Bachelor’s degree in economics, computer science, statistics, public policy, mathematics, or a related field.

Experience
1) Five to eight years of experience in data analysis, policy analysis, or a similar role that involved analyzing complex data and making it relevant and understandable to a general audience;
2) Experience in data wrangling and visualization, such as in R, Python, or Stata; and
3) Experience in working with spatial data, preferably in R or Python, or ability and willingness to be a fast learner.

Technical Skills or Knowledge
1) Knowledge of R, Python, or Stata.
2) Demonstrated data visualization skills.

Required Documents
1) Resume/CV
2) Cover Letter
3) References
4) Writing Sample

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