



CENTER FOR GEOGRAPHIC ANALYSIS NEWSLETTER

A Bi-Monthly Publication of the CGA at Harvard University **November – December 2023**

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HIGHLIGHTS

- Introduction to CGA Video
- Part time GIS Specialist Position at CGA
- CVT member and Harvard CGA Student Intern Named Teen Titan by Forbes
- Student Map Gallery Exhibition November 28
- Spatial Data Lab Team Seminar for Spatiotemporal Data Analysis with Codeless Visual Programming
- GIS for the Humanities and Social Sciences Workshop Dec. 1
- Basic Introduction to GIS Workshop Jan. 26, 2024
- Mapping Assists Counting LA's Homeless Population
- An Extremely Detailed Map of New York City's Neighborhoods
- OpenTopography Awarded 2023 AGU Open Science Recognition Prize

CGA NEWS

Introduction to CGA Video In late summer of 2023, IQSS colleagues Liz Salazar and Dwayne Liburd combined to record and produce a video showcasing the Center for Geographic Analysis (CGA) mission and role on campus. [Read more about the CGA](#) and [View the video](#).

Part time GIS Specialist Position at CGA The CGA is looking to fill a part time GIS Specialist position. Work includes GIS data processing, geodatabase editing, spatial analysis, geocoding, image georeferencing, network routing, cartography, producing 3D and temporal visualization, GPS data post processing, image analysis, and web based mapping system usage and testing. [Read all of the details and apply](#).

CVT member and Harvard CGA Student Intern Named Teen Titan by Forbes

CGA affiliate and [CVT](#) member [Chuying Huo](#) was recently named a Teen Titan, among 13 Young People Making An Outsized Positive Impact, by Forbes, for her research on eating disorders. Her work was guided by Dr. [Bryn Austin](#) of the Harvard School of Public Health and Dr. [Lingbo Liu](#) of the Harvard CGA. See the [Forbes' report](#) for more details.

Student Map Gallery Exhibition November 28

Students in GOV 1008 *Introduction to GIS* will be showcasing their final projects in poster format in the CGIS Knafel building (1737 Cambridge St., Cambridge) Fisher Commons area on Tuesday, 11/28. Posters will be displayed from 10 a.m. to 5 p.m. From Noon – 2 p.m. students will be presenting their work in a lightning talk format, and will be available for questions and discussion from all visitors.

Spatial Data Lab Team Seminar for Spatiotemporal Data Analysis with Codeless Visual Programming

This seminar on Nov. 7th introduced the KNIME Analytics Platform and its Geospatial Analytics extension developed by the Spatial Data Lab (SDL) team at Harvard's Center for Geographic Analysis (CGA). The SDL team members shared the presentations, showcasing the project's vision and demonstrating the new way of performing geospatial analysis in a codeless visual way with case studies. The program, slides and video are available [online](#).



GIS for the Humanities and Social Sciences Workshop Dec. 1

This full-day workshop offers hands on instruction on learning and applying several GIS and mapping techniques commonly used by those practicing in the Humanities and Social Sciences. The workshop will include discussion and interactive exercises aimed to contextualize the usage of geography and maps for each participant's individual research or teaching interests. [Read more and sign up](#).

Basic Introduction to GIS Workshop, Jan. 26, 2024

This two hour hands on workshop introduces students to GIS, and provides hands on training with a variety of GIS software. [Read more and sign up](#).

Upcoming Presentations at the CGA

Dr. Li Yi will present [Smartphone Apps, Wearable Devices and Spatial Analytics in Environmental Health and Epidemiology Studies](#) on **December 8**.

Recent Publications by the CGA and CGA Affiliates

[Sentiment Geographical Index Dataset](#) by Devika Kakkar, et. al.

[An environmental justice analysis of air pollution in India](#) By S.V. Subramanian, et. al.

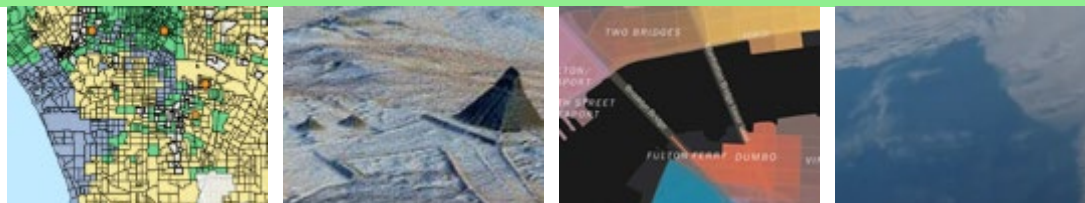
[Small Area Geographic Estimates of Cardiovascular Disease Risk Factors in India](#) By S.V. Subramanian, et. al.

[Incidence rates of childhood asthma with recurrent exacerbations in the US Environmental influences on Child Health Outcomes \(ECHO\)](#) By Jeff Blossom, et. al.

[Prevalence of zero-sanitation in India: Patterns of change across the states and Union Territories, 1993-2021](#) By Akhil Kumar, S.V. Subramanian, et. al.

[Explaining the poor-rich gap in anthropometric failure among children in India: An econometric analysis of the NFHS, 2021 and 2016](#) By S.V. Subramanian, et. al.

NEWS ON GIS RESEARCH AND SERVICES



[Mapping Assists Counting LA's Homeless Population](#) [govloop]

[Putting the Maya Civilization Back on the Map](#) [Esri]

[Mapping New Ways to Improve Urban Mobility](#) [Governing]

TreeTrust Baltimore Walk through Patterson Park [article](#) and [story map](#) [Technical.ly]

[An Extremely Detailed Map of New York City's Neighborhoods](#) [NY Times]

[OpenTopography Awarded 2023 AGU Open Science Recognition Prize](#) [OpenTopography]

[CyberGISX Platform for Geospatial Research](#) [U. of Illinois]

[A Stranger Quest – Upcoming Documentary about Map Collector David Rumsey](#)

[Mapping science: How GIS transformed our view of the world](#) [NSF]

The CGA Newsletter is published bi-monthly. Editor of this issue: Jeff Blossom.

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