

Call Title

Census Data Fusion: Using data to understand equity and travel behavior disruptions

Sponsoring Committee

Census Data for Transportation Planning Subcommittee of the Urban Transportation Data and Information Systems Committee, AED20(1)

Call Description

The Census Data for Transportation Planning Subcommittee of the Urban Transportation Data and Information Systems Committee, AED20(1), invites you to submit posters for a session focusing on data fusion of Census data to help understand equity and recent travel behavior disruptions. In keeping with the theme of our parent committee, topics focusing on transportation planning and urban data are requested. Posters will be displayed at the TRB Annual Meeting in Washington, DC, January 2023. Authors of the most innovative posters may be invited to present at the subcommittee meeting or have their work displayed on the AED20(1) website.

To advance the conference agenda, the Planning Committee is seeking abstracts on the use of census data and census-based applications in transportation. These can be **software applications to be demonstrated, papers or posters.**

Background

The Subcommittee is interested in learning how people are utilizing Census data by itself or in combination with other data sources to address two important topics in transportation: equity and travel behavior disruptions.

There has been a growing spotlight on equity to address the consistent and systematic fair, just, and impartial treatment of all individuals. While this is an important topic, finding data to help address equity issues in transportation is challenging. Have you done analysis to understand equity on a local, regional, state, or national level?

Another current research topic has been the travel disruptions caused by the Covid-19 pandemic. Many groups have spent resources to make sense of transportation usage since the pandemic was declared in early 2020. What type of disruptions in travel behavior have you seen through the data? Have you seen consistency in patterns at different geographic level? Are the disruptions temporary or will they have lasting impacts?

The Subcommittee is interested in learning about what your experiences have been addressing the topics of equity and/or travel behavior disruptions. What data have you been able to use? What have you discovered in your work with various datasets? This

is also an opportunity to share the challenges and lessons learned from working with various data sources and distilling it into a useful analytic product. The end product can be a map, graphic, or analytic finding aimed at conveying information to other people or within your organization.

Evaluation Criteria

Posters must incorporate data from a Census data product that include but are not limited to Census Transportation Planning Product, the American Community Survey, LEHD, and Decennial Census data and Economic Census data. Additional data sets may be used.

A broad range of abstracts relating to Census Data Fusion for understanding equity and/or travel behavior disruptions are welcome. Preference will be given to posters which emphasize the following:

- Analysis to solve complex problems
- Creative ways to visualize Census data
- New approaches to analyzing Census data
- Posters that use demographic data to improve or help understand either of these topics.
- Topics that address applications towards urban areas

A session-development panel will review all abstracts to identify those that most effectively demonstrate innovative analysis of Census data for transportation equity or travel behavior disruption issues. The subcommittee hopes to identify posters representing a diverse array of uses and applications. Applicants will be notified in October of their selection.

Poster Session Guidelines

Those selected for this session will prepare a poster for presentation at the 2023 Annual Meeting in January. **Participants are not required to prepare a paper.** Each presenter will be provided with a table and a 4' x 8' vertical panel for displaying posters and other materials. An electrical connection will be available at each station. Telephone and **internet connections will not be available.** TRB's guidelines for poster presenters are not yet available, but it is expected that all guidelines once available should be followed. Presenters are expected to register for the TRB meeting and participate in this session. Presentation teams are welcome.

Submission Instructions

A special deadline for submittals has been established. Interested candidates should submit an abstract explaining their project and poster concept by 11:59 pm EDT on **Wednesday, September 7, 2022.** The abstract should be no more than a single one-sided page in length (approximately 500 words) and include:

- Contact information (name, agency/organization, phone number, email address)
- Title of your proposed poster for use in the Annual Meeting agenda
- Data sources that your poster will focus on
- Explanation of the project, research, or process sets
- Any innovative discoveries or lessons learned about fusing the various data sources, or investigating these topics that would be useful to the transportation community
- Preliminary description of the information to be conveyed in your poster

You are welcome to include links to on-line materials that illustrate the analysis or results described in your abstract but this will not substitute for the information requested in the abstract.

The subcommittee will not consider sales presentations for products or services.

Abstracts should be in a PDF format and submitted to:

Kathy Yu

kyu@nctcog.org

Include the term "**AED20(1) Poster Abstract 2023**" in the subject line.

For More Information

Questions about the poster session or the abstract submittal process should be directed to:

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