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(58) 2013 AAG Annual Meeting, Los Angeles, California

AAG Annual Meeting

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Paper Session:

1671 Spatial Analysis Methods for Historical Census Demography

is scheduled on Tuesday, 4/9/2013, from 4:40 PM - 6:20 PM in Bernard's, Biltmore, Lobby Level

Sponsorship(s):
Geographic Information Science and Systems Specialty Group
Population Specialty Group
Spatial Analysis and Modeling Specialty Group

Organizer(s):
Barbara P. Buttenfield - University of Colorado, Boulder
Nicholas Nagle - University of Tennessee

Chair(s):
Barbara P. Buttenfield - University of Colorado, Boulder

Abstract(s):

4:40 PM   Author(s): *Mary H Kelly - NUI Maynooth
A. Stewart Fotheringham, Professor - Centre for GeoInformatics, University of St Andrews, Scotland, UK

 Abstract Title: *Irish emigration to the USA: a spatial analysis using GWR*

5:00 PM   Author(s): *Stefan Leyk - University of Colorado
Matt Ruther - University of Colorado
Galen Maclaurin - University of Colorado
Barbara Buttenfield - University of Colorado
Nicholas Nagle - University of Tennessee

 Abstract Title: *Validating Methods of Demographic Small Area Estimation Using Historical Census Enumerations*

5:20 PM   Author(s): *Jonathan Schroeder - University of Minnesota

 Abstract Title: *NHGIS Time Series: Harmonizing U.S. Census Data across Time and Space*

5:40 PM   Author(s): *Nigel S Walford, BA PhD - Kingston University

 Abstract Title: *Preliminary Exploration of 1901 and 1911 British Population Census records for Households and Individuals in part of London*

6:00 PM   Discussant: Seth Spielman - University of Colorado

Discussant(s):
Seth Spielman - University of Colorado

Session Description: Small area statistics and spatially explicit data are in increasing demand. The recent release of 1940 census archives as well as the digital availability of earlier census information allows research questions to be addressed which were difficult if not impossible up to now, such as determining migration trends, time series trends for aggregate census data, and inferences about growth or decline of urban and suburban

neighborhoods. Recently released historical records contain more complete georeferenced information (e.g., household address) which remain confidential with current versions of census demography, and which can support analyses of spatiotemporal trends, with more explicit validation of individual records. Special challenges emerge in organizing and processing historical census demography, for example resolving enumeration districts with current Summary File boundaries, integrating historical with current demographic attributions and taxonomies, and establishing reliability measures and validation procedures for collected historical information. This paper session solicits papers reporting analytic strategies and results which can improve the analysis of historical census data. Papers reporting on analysis of temporal trends, spatiotemporal patterns, or new methods to elicit such trends and patterns are welcome.

To present a paper in the session:
1. Register and submit your abstract online (http://www.aag.org/annualmeetings/).
2. Email your presenter identification number (PIN), paper title, and abstract to babs@colorado.edu by October 22, 2012

KEYWORDS historical census data, demographic trends, spatial analysis, validation

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