

JOSHUA COMENETZ

Department of Geography
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EDUCATION

UNIVERSITY OF MINNESOTA (1994-1999)

- Ph.D., Geography, 1999.
Dissertation: Cartographic Visualization of the Quality of Demographic Data
- M.A., Geography, 1996.
Thesis: A New Method for Automated Generalization of Cartographic Polygons

HARVARD UNIVERSITY (1988-1992)

- A.B., magna cum laude, Earth and Planetary Sciences (Geology), 1992.
Honors thesis: Use of Landsat-TM data to Distinguish Among Volcanic Rock Types, Puertecitos Volcanic Province, Baja California, Mexico.

PROFESSIONAL EXPERIENCE

UNIVERSITY OF FLORIDA

- Assistant Professor of Geography (1999 - present)
Research areas: Cartography/GIS, Population Geography, Data Quality Analysis
- Affiliate Faculty, Jewish Studies (2000 - present)

UNIVERSITY OF MINNESOTA

- Graduate Program Assistant in GIS (1998 - 1999)
- Demographic Cartographer, Law School Institute on Race and Poverty (1997-1999)
- Arc/Info GIS Consultant, St. Paul Historical Atlas Project (1995-1997)

CONSULTING AND OTHER ACTIVITIES

- Rand McNally & Co., Skokie, IL (2003 - present)
Editorial Board Member, *Goode's World Atlas*
- City of Gainesville, FL (2001 - 2002)
Political Redistricting and Demographics Consultant
- Metropolitan Area Program, Minneapolis, MN (1994 - 1996)
Demographic Cartographer
- National Geographic Society, Washington, DC (summer 1995)
Intern, Cartographic Division
- Library of Congress, Washington, DC (summer 1994)
Fellow, Geography and Map Division
- US Geological Survey National Center, Reston, VA (summers 1990, 1991, 1992)
Arc/Info GIS Programmer and Cartographer

PUBLICATIONS - REFEREED

Comenetz, Joshua, and César Caviedes. 2003 (In press). Climate Variability, Political Crises, and Population Displacements in Ethiopia. *Environmental Hazards* 4(4).

Comenetz, Joshua. 2003 (In press). The Geography of Indigenous Identity in the United States. *Espace, Populations, et Sociétés* 21(1).

Comenetz, Joshua. 2003. Re-redistricting Gainesville. *Geospatial Solutions* 13(9), 49-54.

Comenetz, J. 2003. Administrative Boundary Reorganization and the Mapping of Temporal Change. *Proceedings of the 21st International Cartographic Conference, Durban, South Africa*, 2113-2118.

Comenetz, Joshua. 2003. Cartography and Population Geography As Current Events: A Case Study. *Journal of Geography* 102(2): 58-65.

Comenetz, Joshua. 2002. Assessment of Student Cartographic Knowledge at the University of Florida. In Benjamin Cohen and Stanislav Vasilev, eds., *E-Mail Seminar of Cartography*, vol. 4: 31-34. Sofia, Bulgaria: University of Architecture, Civil Engineering, and Geodesy.

Comenetz, Joshua. 2002. Cognitive Geometry for Cartography. *The Cartographic Journal* 39(1): 65-75.

Comenetz, Joshua. 2002. Reliability Diagrams for Demographic Maps. *Proceedings of the ACSM-ASPRS Conference*, unpaginated (10 pages).

Comenetz, Joshua. 2001. A New Cartographic Geometry. *Proceedings of the International Cartographic Conference 2001*, 2550-2558.

Brixiova, Z., A. Bulir, and J. Comenetz. 2001. The Gender Gap in Education in Eritrea in 1991-1998: A Missed Opportunity? *International Monetary Fund Working Paper* 1/94.

Comenetz, Joshua, and Howard Veregin. 1997. Scale and the Measurement of Segregation. *GIS/LIS '97 Proceedings*, 710-716.

McMaster, Robert B., and Joshua Comenetz. 1996. Procedural and Quality Assessment Measures for Cartographic Generalization. *GIS/LIS '96 Proceedings*, 775-785.

Stock, J.M., and J. Comenetz. 1992. Use of Landsat-TM data to Distinguish Among Volcanic Rock Types, Puertecitos Volcanic Province, Baja California, Mexico. *Eos (Transactions of the American Geophysical Union)* 73 (43), 613.

PUBLICATIONS - OTHER (selected)

Comenetz, Joshua, and Grant Ian Thrall. 2003. Maptitude Table Chooser: Census Data Fast and Easy. *Geospatial Solutions* 13(6), 48-51.

Comenetz, Joshua. 2002. Mapping Jewish Population. *Amudim (Annual newsletter of the University of Florida Center for Jewish Studies)*, 15, 6-9 and 13.

Comenetz, Joshua. 2001 to present. *Florida Online Population Atlas*. Cartographic teaching aid, available at <http://www.clas.ufl.edu/users/comenetz>.

Comenetz, Joshua. 2001. MapViewer 4, Grapher 3: A Cartographic Dark Horse? *Geospatial Solutions* 11(9), 42-45.

Comenetz, Joshua. 2000. Putting Cartography Before the Horse: ArcView, Maptitude, MapInfo *Geospatial Solutions* 10(11), 46-49.

GRANTS AND AWARDS

- Geography Faculty Development Workshop, Boulder, CO (2004)
- Enabling Fellowship for Hazards Research, NSF-sponsored (2003 - 2004)
- Travel Grants for International Cartographic Conference (2001, 2003)
- University of Florida CLAS Research Award (2000)
- National Science Foundation Graduate Fellowship (1995 - 1998)
- Foreign Language and Area Studies Fellowship (1995 - 1996; declined)
- University of Minnesota Graduate Fellowship (1994 - 1995)
- Harvard University - Frederick Sheldon Traveling Fellowship (Cartographic Research in Europe, 1992 - 1993)

PROFESSIONAL PRESENTATIONS (* = refereed)

* Comenetz, Joshua, and César Caviedes. *Mapping Demographic Change with Inconsistent Areal Units*, North American Cartographic Information Society annual meeting, Jacksonville, FL, October 2003.

* Comenetz, Joshua. *Administrative Boundary Reorganization and the Mapping of Temporal Change*, 21st International Cartographic Conference, Durban, South Africa, August 2003.

* Comenetz, Joshua. *Reliability Diagrams for Demographic Maps*, American Congress on Surveying and Mapping annual meeting, Washington, DC, April 2002.

Comenetz, Joshua. *Mapping Population Change in Florida*, Florida Society of Geographers annual meeting, Gainesville, FL, January 2002.

* Comenetz, Joshua. *A New Cartographic Geometry*, 20th International Cartographic Conference, Beijing, China, August 2001.

* Z. Brixiova, A. Bulir, and J. Comenetz. *The Gender Gap in Education in Eritrea*, International Monetary Fund Workshop on Macroeconomic Policies and Poverty Reduction, Washington, DC, April 2001.

* Comenetz, Joshua. *Strategies for Mapping Complex Demographic Data*, Population Association of America annual meeting, Washington, DC, March 2001.

Comenetz, Joshua. *Mapping Demographic Data Quality*, Association of American Geographers annual meeting, New York, NY, February 2001.

* Z. Brixiova, A. Bulir, and J. Comenetz. *The Gender Gap in Education in Eritrea*, 56th Congress of the International Institute of Public Finance, Seville, Spain, August 2000.

Comenetz, Joshua. *Cartography and the Courtroom: Mapping Segregation in Sanders v. Allegheny County Housing Authority*, Association of American Geographers annual meeting, Pittsburgh, PA, April 2000.

* Comenetz, Joshua, and Howard Veregin. *Scale and the Measurement of Segregation*. GIS/LIS '97, Cincinnati, OH, October 1997.

* McMaster, Robert B., and Joshua Comenetz. *Procedural and Quality Assessment Measures for Cartographic Generalization*. GIS/LIS '96, Denver, CO, November 1996.

Comenetz, Joshua. *A New Method for Automated Generalization of Cartographic Polygons*. Association of American Geographers annual meeting, Charlotte, NC, April 1996.

* Stock, J.M., and J. Comenetz. *Use of Landsat-TM data to Distinguish Among Volcanic Rock Types, Puertecitos Volcanic Province, Baja California, Mexico*. American Geophysical Union Conference, San Francisco, CA, 1992.

COURSE DEVELOPMENT, 1999 - 2003

- Geo 5186: *Analysis of Thematic Data Quality* (Offered 2 times)
- Geo 3430/6435: *Population Geography* (Offered 3 times)
- Geo 4100c/5102c: *Maps and Graphs* (Offered 7 times)
- Geo 3424/JSt 3930: *Geography of the Jewish Population* (Offered 2 times)
- Geo 3930: *The Geography of Now* (Honors course, new for Fall 2003)

SERVICE

DEPARTMENT OF GEOGRAPHY

- Undergraduate curriculum committee (2003 - present)
- Chair, Search Committee, Assistant in Geography and Assistant Scientist positions (2002 - 2003)
- Coordinator, Weekly Geography Colloquium Coordinator (2001 - 2003)
- Establishment, Design, and Supervision of Computer Cartography Lab (2001 - 2002)
- Salary Committee (2000)

UNIVERSITY OF FLORIDA

- Commencement Marshal (2003)
- Created map display for university library Diversity Week display (2003)
- Search Committee, School of Business, Research Demographer position (2002-2003)
- Library Selector for Geography (2001 - present)
- Mentor, Undergraduate Scholars Program (2001 - present)
- Executive Committee, Center for Jewish Studies (2000 - 2001)

PROFESSIONAL

- AAG outreach consultant for population geography and cartography (2001 - present)
- International Cartographic Association Commission on Census Cartography (2000 - 2003)
- Advanced Placement Human Geography exam question writer (2000)
- Institute on Race and Poverty advisory board (1999 - 2001)

REVIEWER

- Annals of the Association of American Geographers
- Journal of Computational and Graphical Statistics
- Rowman and Littlefield

LANGUAGE AND COMPUTER PROFICIENCY

- Spanish: Speaking, Reading, Writing
- Dutch, French, German, Portuguese: Some Reading Ability
- *Geographic Information Systems*: ArcGIS, Arc Macro Language, MapInfo, Maptitude, MapViewer, census data of many countries
- *Programming and Other*: Experience with Basic, C, Fortran, Pascal, Microsoft Office, Unix