

## Biographical Sketch Alan T. Murray

### (a) Professional Preparation

<u>Institution</u>	<u>Major</u>	<u>Degree/Year</u>
University of California, Santa Barbara	Mathematical Sciences	B.S., 1990
University of California, Santa Barbara	Statistics and Applied Probability	M.A., 1992
University of California, Santa Barbara	Geography	Ph.D., 1995
Queensland University of Technology	Postdoctoral Fellow	1996 - 1997

### (b) Appointments

2016 – present	Professor, Department of Geography, University of California at Santa Barbara
2017 – 2021	Vice Chair and Graduate Advisor, Department of Geography, University of California at Santa Barbara
2014 – 2015	Director, Center for Spatial Analytics and Geocomputation, and Professor (College of Computing and Informatics / School of Public Health), Drexel University
2008 – 2014	Professor, School of Geographical Sciences and Urban Planning, Arizona State University
2005 – 2008	Director, Center for Urban and Regional Analysis, and Professor, Department of Geography, Ohio State University
2002 – 2005	Associate Professor, Ohio State University, Department of Geography
1999 – 2002	Assistant Professor, Ohio State University, Department of Geography

### (c) Products (from 290+ peer-reviewed publications)

#### i. Significant publications:

- A.T. Murray (2021). “New geography location analytics.” In Handbook of Regional Science, 2nd edition, edited by M.M. Fischer and P. Nijkamp, 1341-1360 (Springer).
- A.T. Murray (2021). “Contemporary optimization application through geographic information systems.” Omega 99, 102176.
- A.T. Murray, J. Xu, Z. Wang and R.L. Church (2019). “Commercial GIS location analytics: capabilities and performance.” International Journal of Geographical Information Science 33, 1106-1130.
- R.L. Church and A.T. Murray (2018). Location Covering Models: History, Applications, and Advancements (Berlin: Springer).
- A.T. Murray (2017). “Regional analytics.” Annals of Regional Science 59, 1-13.
- A.T. Murray (2010). “Quantitative geography.” Journal of Regional Science 50, 143-163.
- R.L. Church and A.T. Murray (2009). Business Site Selection, Location Analysis and GIS (New York: Wiley).
- A.T. Murray and T.H. Grubestic (2007). Critical Infrastructure: Reliability and Vulnerability (Berlin: Springer).

- A.T. Murray and R. Davis (2001). "Equity in regional service provision." *Journal of Regional Science* 41, 577-600.
- A.T. Murray (2001). "Strategic analysis of public transport coverage." *Socio-Economic Planning Sciences* 35, 175-188.
- A.T. Murray (1999). "Spatial restrictions in harvest scheduling." *Forest Science* 45, 45-52.
- A.T. Murray, R. Davis, R.J. Stimson and L. Ferreira (1998). "Public transportation access." *Transportation Research D* 3, 319-328.
- A.T. Murray and R.L. Church (1995). "Heuristic solution approaches to operational forest planning problems." *OR Spektrum* 17, 193-203.

#### **(d) Synergistic Activities**

- Served as Director of the Center for Urban and Regional Analysis at Ohio State University (also at Center for Spatial Analytics and Geocomputation at Drexel University). Responsible for overseeing operational budgets, managing staff and students, administered university-wide seed grant program focused on urban and regional research, and provided spatial analytical support to various research and teaching units across campus, including the Initiative in Population Research (now the Institute for Population Research).
- Serve as Vice Chair and Graduate Advisor for Department of Geography at University of California at Santa Barbara. Responsible for assisting in departmental administration, oversee graduate admissions and monitoring of students, and help assign graduate student instructors and teaching assistants.
- Editor of *International Regional Science Review* and former editor of *Geographical Analysis*. Responsible for all aspects of journal management, including assessment of submitted articles, overseeing peer review, publication decision making, and scheduling of printed articles. Solicitation of strategic special issues has also been an important component of my editorships.
- Have successfully completed 30+ funded grants as PI or Co-PI, totaling more than \$6 million. I have made individual and team oriented contributions on technical advances, modeling implementation and application, and policy interpretation/formulation/assessment in large and small research teams.

#### **(e) Major awards**

- 2019 Elected Fellow, American Association for the Advancement of Science.
- 2019 William Alonso Memorial Prize for Innovative Work in Regional Science (Awarded by North American Regional Science Council) - Church, R.L. and A. Murray (2018), *Location Covering Models: History, Applications, and Advancements* (Berlin: Springer).
- 2018 Elected Fellow, Regional Science Association International.
- 2015 Walter Isard Award for Scholarly Achievement, North American Regional Science Council.
- 2004 Geoffrey J.D. Hewings Award for Outstanding Young Scholar, North American Regional Science Council.