

Gregory D. Erhardt

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a. Professional Preparation

Cornell University	Ithaca, NY	Civil and Environmental Engineering	B.S. 2000
Northwestern University	Evanston, IL	Civil Engineering	M.S. 2002
University College London	London, UK	Advanced Spatial Analysis	Ph.D. 2016

b. Academic/Professional Appointments

2016-present	Assistant Professor, Department of Civil Engineering, University of Kentucky, Lexington, KY
2013-2016	Senior Analyst, RAND Europe, Cambridge, United Kingdom
2005-2013	Senior Transportation Modeler, Parsons Brinckerhoff, San Francisco, CA
2002-2005	Transportation Modeler, Denver Regional Council of Governments, Denver, CO
2000	Traffic Engineer, S.R.F. & Associates, Rochester, NY
1998-1999	Travel Forecasting Intern, Parsons Brinckerhoff, Herndon, VA

c. Products

i. Products most closely related to the proposed project

1. Erhardt, G.D., Roy, S., Cooper, D., Sana, B., Chen, M., Castiglione, J. “Do Transportation Network Companies Decrease or Increase Congestion?” in review by Science Advances.
2. Roy, S., Cooper, D., Mucci, R.A., Sana, B., Chen, M., Castiglione, J., Erhardt, G.D. “Why is Traffic Congestion Getting Worse? A Decomposition of the Contributors to Growing Congestion in San Francisco”, in review by Transportation Research Part A: Policy and Practice.
3. Akar, G. Erhardt, G.D., (2018) “User Response to Autonomous Vehicles and Emerging Mobility Systems”. Transportation, No. 45, 1603. Editorial for special issue guest edited by Akar and Erhardt.
4. Erhardt, G.D., Batty, M., Arcaute, E. “Recommendations for Big Data Archival Programs at Transportation Agencies”. Big Data for Urban and Regional Science, edited by L.A. Schintler and Z. Chen, Routledge, (2018).
5. Erhardt, G.D., Lock, O., Arcaute, E., Batty, M. “A Big Data Mashing Tool for Measuring Transit System Performance”. Seeing Cities Through Big Data - Research, Methods and Applications in Urban Informatics, edited by P. Thakuriah, N. Tilahun, and M. Zellner, pp. 257–78. Springer Geography. Springer International Publishing, Switzerland (2017).

ii. Other significant products

1. Francis, D., Tsang, F., Erhardt, G.D. “Estimating the Cost and Utility of Statewide Travel Models Using Scenario-Based Interviews”, Transportation Research Record (in-press).
2. Mucci, A. and Erhardt, G.D. “Evaluating the ability of transit direct ridership models to forecast medium-term ridership changes: Evidence from San Francisco”, Transportation Research Record (2018).
3. Erhardt, G.D. “Conceptual Models of the Effect of Information and Communications Technology on Long-Distance Travel Demand”, Transportation Research Record No 2658, pp. 26-34 (2017).
4. Erhardt, G.D., Rizzo, L. “Evaluating the Biases and Sample Size Implications of Multi-Day GPS-Enabled Household Travel Surveys”, Transportation Research Procedia, No 32 (2018).

5. Erhardt, G.D. (2016) “How Smart is Your Smart Card? Evaluating Transit Smart Card Data with Privacy Restrictions and Limited Penetration Rates”, Transportation Research Record, No. 2544.

d. Synergistic Activities

1. Co-founder of the Zephyr Foundation for Advancing Travel Analysis Methods; Chair of the Project Management Group for Open Science; Member of the Executive Director Search Committee
2. Fellow, 1st Chan Wui & Yunyin Rising Star Workshop for Early Career Professionals in Transportation; Steering Committee (2016), 2nd Chan Wui & Yunyin Rising Star Workshop for Early Career Professionals in Transportation (2019)
3. Member of the Transportation Demand Forecasting Committee (ADB40), Transportation Research Board of the National Academies.
4. More than 30 conference lectern presentations, 7 conference poster presentations, and 11 invited presentations at national and international conferences, state and local user group meetings and universities, including the University of Toronto, University of California at Berkeley, University of Glasgow, and Cambridge University.
5. My research report TNCs and Congestion (San Francisco County Transportation Authority 2018) was presented to the San Francisco Transportation Commissioners and covered by more than 30 media outlets, including on the front page of the *San Francisco Chronicle*. Commissioners cited this research as a key driver in a push for local authority to regulate TNCs and to implement congestion pricing.