

**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?” Science Advances, Vol 5, No. 5 (2019).
2. **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).
3. **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).
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.** “How Smart Is Your Smart Card?: Evaluating Transit Smart Card Data with Privacy Restrictions and Limited Penetration Rates.” Transportation Research Record No. 2544, pp. 81–89 (2016).

*ii. Other significant products*

1. **Erhardt, G.D.**, Schmitt, D., Hoque, J., Chaudhary, A., Rapolu, S., Kim, K., Weller, S., Sall, E., Chen, M., Souleyrette, R., Wachs, M., Traffic Forecasting Accuracy Assessment Research, National Cooperative Highway Research Program Project 08-110, Transportation Research Board of the National Academies, Washington, D.C. (in-press).
2. Graehler, M., Mucci, R.A., **Erhardt, G.D.** “Understanding the Recent Transit Ridership Decline in Major US Cities: Service Cuts or Emerging Modes?” Proceedings of the 98th Transportation Research Board Annual Meeting, Washington, D.C. (2019).
3. Francis, D., Tsang, F., Erhardt, G.D. (2019) “Estimating the Cost and Utility of Statewide Travel Models Using Scenario-Based Interviews”, Transportation Research Record.

4. 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).
5. **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).

**d. Synergistic Activities**

1. Research examining the effect of Uber and Lyft on traffic congestion and transit ridership has been covered globally by more than 100 media outlets in at least 8 languages. Highlights include The Los Angeles Times, The Guardian, The Economist, The Science Magazine Podcast, and NPR's Science Friday.
2. Instigator and Founding Stakeholder of the Zephyr Foundation for Advancing Travel Analysis Methods; Chair of the Project Management Group for Open Science
3. Fellow, Chan Wui & Yunyin Rising Star Workshop for Early Career Professionals in Transportation
4. Member of the Transportation Demand Forecasting Committee (ADB40) and Transportation Planning Applications Committee (ADB50), Transportation Research Board of the National Academies.
5. Expert advisor in collaboration with industry on projects with the San Francisco County Transportation Authority, the Maricopa Association of Governments, the Metropolitan Transportation Commission and the Ohio Department of Transportation.