

Lewis Lehe

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Education

- 2016 **Ph.D. Civil and Environmental Engineering**, *UC Berkeley*.
 - Program: Transportation Engineering
 - Advisor: Carlos Daganzo
 - Minors: Economics, City and Regional Planning
 - Thesis: "Zone Pricing in Theory and Practice"
- 2013 **M.S. Civil and Environmental Engineering**, *UC Berkeley*.
- 2012 **M.A. Transport Economics**, *University of Leeds*, UK.
- 2010 **B.Phil. Mathematics-Economics**, *University of Pittsburgh*.

Research interests

macroscopic traffic models, road pricing, land-use regulation, parking

Awards

- 2016 Gordon F. Newell Award for Excellence in Transportation Science, UC Berkeley
- 2014 UC Connect Dissertation Grant, UC Berkeley
- 2012 Ove Arup Transport Studies Prize for Best Transport Dissertation, U. Leeds
- 2012 Halcrow Prize for Best Graduate Transport Economics Student, U. Leeds

Publications

Daganzo, C.F. and Lehe, L.J., (2015), Distance-dependent congestion pricing for downtown zones. *Transportation Research: Part B: Methodological*, vol. 75, pp. 89-89.

Lehe, L.J., (2015), Land-use regulation and the production of affordable housing. Paper presented at 62nd Annual North American Meetings of the Regional Science Association International, Portland, Oregon.

Daganzo, C.F. and Lehe, L.J., (2016), Traffic flow on signalized streets, *Transportation Research: Part B: Methodological*, vol. 90, pp. 89-99.

Lehe, L.J., (2016), Feedback and the use of land for parking, *Journal of Transport and Land Use*, vol. 10, no. 1.

Daganzo, C.F., Lehe, L.J., and Argote-Cabanero, J. (2017), Adaptive offsets for signalized streets. *Transportation Research Procedia*, vol. 23, pp. 612-623.

Research in progress

- Self-selection and downtown congestion pricing.
- A technical history of downtown congestion pricing.

Professional

- 2016 **Lecturer in Public Transit Operations**, *UC Berkeley*.
 - Taught the graduate civil engineering course in public transit.
- 2014-present **Data visualization**, *Freelance*, Berkeley, CA.
 - Data visualizations for clients including NerdWallet, Stanford, KQED, Tesla.
- summer 2014 **Data visualization**, *Luxe Valet*, luxevalet.com, San Francisco, CA.
 - Created monitoring dashboard for an on-demand valet parking startup.
- summer 2013 **Data visualization**, *Via Analytics*, v-a.io, Berkeley, CA.
 - Created monitoring dashboard for bus-bunching control startup.
- 2010–2011 **Research analyst**, *Steel Business Briefing*, Pittsburgh, PA.
 - Published reports on steel pipe and tube in Marcellus Shale.

Skills

- Programming JavaScript, Python, R, Julia
- Languages English (native), Spanish (conversational, literate)

Outreach

- 2014-pres. **Setosa**, *setosa.io*.
 - Educational data visualizations.
- 2013 **Visualizing Urban Data IdeaLab**, *vudlab.com*.
 - Founded group to promote data visualization among future researchers.
- 2007 **It's a Thick Book**.
 - Documentary about the Alabama State Constitution. Aired on PBS.