

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: “Aspatial Models of Zone Pricing and Parking”
- 2013 **M.S. Civil and Environmental Engineering**, *UC Berkeley*.
- 2012 **M.A. Transport Economics**, *University of Leeds*, UK.
 - Dissertation: “Income Effects in Discrete Choice Models”
- 2010 **B. Phil. Mathematics-Economics**, *University of Pittsburgh*.

Research interests

urban traffic, traffic signals, road pricing, land-use regulation

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. 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.

Daganzo, C.F., Lehe, L.J., and Argote-Cabanero, J. (2017). Adaptive offsets for signalized streets. Forthcoming at *Transportation Research Part B: Methodological*.

Lehe, L.J., (2017). Feedback and the use of land for parking. *Journal of Transport and Land Use*. vol. 10, no. 1, pp. 463-476.

Lehe, L.J., (2017). Downtown tolls and the distribution of trip lengths. Forthcoming at *Economics of Transportation*.

Working papers

How minimum parking requirements make housing more expensive. (Submitted at *Journal of Transport and Land Use*)

A technical history of downtown congestion pricing.

Refereeing

Transportation Research Part B: Methodological, *Journal of Transport and Land Use*, *Transportation Research Record*

Professional

2017 **Lecturer**, *UC Berkeley*.

o Taught the graduate civil engineering course in public transit.

2014-present **Data visualization**, *Freelance*, Berkeley, CA.

o Data visualizations for clients including NerdWallet, Stanford, KQED, Tesla.

summer 2014 **Data visualization**, *Luxe Valet*, *luxevalet.com*, San Francisco, CA.

o Created monitoring dashboard for an on-demand valet parking startup.

summer 2013 **Data visualization**, *Via Analytics*, *v-a.io*, Berkeley, CA.

o Created monitoring dashboard for bus-bunching control startup.

2010–2011 **Research analyst**, *Steel Business Briefing*, Pittsburgh, PA.

Skills

Programming JavaScript/NodeJS, Python, R, Julia

Languages English (native), Spanish (conversational, literate)

Outreach

2014-pres. **Setosa**, *setosa.io*.

Educational data visualizations.

2013 **Visualizing Urban Data IdeaLab**, *vuclab.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.