

# Title of Presentation: Using LEHD Data In Excess Commuting and Jobs-Housing Studies: Concepts, Methods, and Examples

Question your work tried to answer	How to quantify and measure land use and transportation changes in U.S. cities.
Local Employment Dynamics data sources used	<input checked="" type="checkbox"/> OnTheMap <input type="checkbox"/> QWI <input type="checkbox"/> Industry Focus <input type="checkbox"/> Raw data files from CD or VRDC <input type="checkbox"/> Other: _____
Other data sources used	Census Transportation Planning Package
Software/ data processing tools used	Microsoft Excel TransCAD GIS
Brief description of methodology (if someone wanted to do a similar analysis, how should they approach it?)	Uses a transportation-problem based methodology described in Horner (2002; <i>Environment and Planning A</i> ) which was extended in Horner (2007; <i>Annals of Regional Science</i> ) and Horner and Schleith (2012; <i>Applied Geography</i> )
Benefits of methodology/ data	Can be used to produce a succinct measure of jobs-housing balance for a flexible range of geographies.
Drawbacks/problems with methodology/data	Transportation-based approach is sensitive to number of spatial units and hence becomes computationally infeasible as the number of units grows large.
Anything else?	
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## References:

Mark W. Horner. 2002. Extensions to the Concept of Excess Commuting. *Environment and Planning A*, 34(3), 543-566.

Mark W. Horner. 2007. A Multi-Scale Analysis of Urban Form and Commuting Change in a Small Metropolitan Area (1990-2000). *Annals of Regional Science* 41(1), 315-322.

Mark W. Horner and Daniel Schleith. 2012. Analyzing Temporal Changes in Land Use-Transportation Relationships: A LEHD-Based Approach. *Applied Geography* 35(1-2), 491-498.