

REFERENCES

- A Recommended Approach to Delineating Traffic Analysis Zones in Florida. (2007). Cambridge Systematics, Inc.
- Acheampong, R. A., & Silva, E. (2015). Land use–transport interaction modeling: A review of the literature and future research directions. *Journal of Transport and Land Use*, 8, 1–28.
- Ahmed, B. (2012). The Traditional Four Steps Transportation Modeling Using Simplified Transport Network: A Case Study of Dhaka City, Bangladesh. *International Journal of Advanced Scientific Engineering and Technological Research*, 1, 19–40.
- Bender, E. A. (1942). *An Introduction to Mathematical Modeling*. Dover Publications, INC. https://books.google.lk/books?hl=en&lr=&id=FvHDAgAAQBAJ&oi=fnd&pg=PA1&dq=mathematical+model+introduction+&ots=XlOvorHJ-W&sig=IxhBSxrbMlc6MV0fp5h8ZqBP8aQ&redir_esc=y#v=onepage&q=mathematical%20model%20introduction&f=false
- Bennion, M. W., & O'Neill, W. A. (1994). BUILDING TRANSPORTATION ANALYSIS ZONES USING GEOGRAPHIC INFORMATION SYSTEMS. *Transportation Research Record*, 1429, Article 1429. <https://trid.trb.org/View/408273>
- Binetti, M. G., & Ciani, E. (2002). Effects of traffic analysis zone design on transportation models. *Proceedings of the 9th Mini-EURO Conference: Handling Uncertainty in the Analysis of Traffic and Transportation System*, 813–823.
- Boarnet, M., & Crane, R. (2001). The influence of land use on travel behavior: Specification and estimation strategies. *Transportation Research Part A: Policy and Practice*, 35, 823–845. [https://doi.org/10.1016/S0965-8564\(00\)00019-7](https://doi.org/10.1016/S0965-8564(00)00019-7)
- Bowman, J. L. (2006). *A Review of the Literature on the Application and Development of Land Use Models*. https://www.ampo.org/assets/616_arclandusemodellitreview.pdf
- Briassoulis, H. (2000). *Analysis of Land Use Change: Theoretical and Modeling Approaches* [Wholbk]. Regional Research Institute, West Virginia University. <https://econpapers.repec.org/bookchap/triwholbk/17.htm>
- Button, K., Vega, H., & Nijkamp, P. (2012). *A Dictionary of Transport Analysis*,. Edward Elgar Publishing Limited.
- Chang, K.-T., Khatib, Z., & Ou, Y. (2002). Effects of Zoning Structure and Network Detail on Traffic Demand Modeling. *Environment and Planning B: Planning and Design*, 29(1), 37–52. <https://doi.org/10.1068/b2742>

- Crane, R., & Crepeau, R. H. (1998). *Does neighborhood design influence travel?: A behavioral analysis of travel diary and GIS data.* [https://doi.org/10.1016/S1361-9209\(98\)00001-7](https://doi.org/10.1016/S1361-9209(98)00001-7)
- Crevo, C. C. (1991). IMPACTS OF ZONAL RECONFIGURATIONS ON TRAVEL DEMAND FORECASTS. *Transportation Research Record*, 1305, 72–80.
- De Silva, D. (2018, September). *Transport Modelling Approaches in Sri Lanka*. Workshop on Developing Integrated Modelling Tools for Sri Lanka Sri Lanka Road Development Authority and Asian Development Bank, colombo, Sri Lanka.
- Ding, C. (1998). The GIS-Based Human-Interactive TAZ Design Algorithm: Examining the Impacts of Data Aggregation on Transportation-Planning Analysis. *Environment and Planning B: Planning and Design*, 25(4), 601–616. <https://doi.org/10.1068/b250601>
- Eagleson, S., Escobar, F., & Williamson, I. (2002). Hierarchical spatial reasoning theory and GIS technology applied to the automated delineation of administrative boundaries. *Computers, Environment and Urban Systems*, 26, 185–200. [https://doi.org/10.1016/S0198-9715\(01\)00040-0](https://doi.org/10.1016/S0198-9715(01)00040-0)
- Edwards, J. D. (1992). *Transportation Planning Handbook*. Prentice-Hall.
- Evans, S. P. (1976). Derivation and analysis of some models for combining trip distribution and assignment. *Transportation Research*, 10(1), 37–57. [https://doi.org/10.1016/0041-1647\(76\)90100-3](https://doi.org/10.1016/0041-1647(76)90100-3)
- Exploratory Regression—Help | ArcGIS Desktop*. (2019, November 13). <https://desktop.arcgis.com/en/arcmap/latest/tools/spatial-statistics-toolbox/exploratory-regression.htm>
- Felsenstein, D., Axhausen, K., & Waddell, P. (2010). Land use-transportation modeling with UrbanSim: Experiences and progress. *Journal of Transport and Land Use*, 3(2), Article 2. <https://doi.org/10.5198/jtlu.v3i2.183>
- How Grouping Analysis works—ArcGIS Pro | ArcGIS Desktop*. (2019, October 11). <https://pro.arcgis.com/en/pro-app/tool-reference/spatial-statistics/how-grouping-analysis-works.htm>
- Iacono, M., Levinson, D., & El-Geneidy, A. (2008). Models of Transportation and Land Use Change: A Guide to the Territory: *Journal of Planning Literature*. <https://doi.org/10.1177/0885412207314010>
- Jankovic, L., Hopwood, B., & Alwan, Z. (2005). *CAST – City analysis simulation tool: An integrated model of land use, population, transport and economics*. Computers in Urban Planning and Urban Management (CUPUM), London. <https://www.semanticscholar.org/paper/CAST-%E2%80%93-City-analysis->

[simulation-tool%3A-an-integrated-Jankovic-Hopwood/63ccf3462d8ca32787239ddbbe07b41aff49dd18](#)

Kadiyali, L. R. (2007). *Traffic Engineering And Transport Planning* (Seventh Edition). Khanna Publishers.

Kockelman, K. (1997). Travel Behavior as Function of Accessibility, Land Use Mixing, and Land Use Balance: Evidence from San Francisco Bay Area. *Transportation Research Record*, 1607, 116–125. <https://doi.org/10.3141/1607-16>

Linqing, W., & Jiafu, T. (2014). First-order contiguity constraint on Traffic Analysis Zone delineation problem. *The 26th Chinese Control and Decision Conference (2014 CCDC)*, 3103–3107. <https://doi.org/10.1109/CCDC.2014.6852708>

Martin, W. A., & McGuckin, N. A. (1998). *Travel Estimation Techniques for Urban Planning* (No. 365; Issue 365). Transportation Research Board. <http://www.trb.org/Publications/Blurbs/167061.aspx>

Martínez, L. M., Viegas, J. M., & Silva, E. A. (2009). A traffic analysis zone definition: A new methodology and algorithm. *Transportation*, 36(5), 581–599. <https://doi.org/10.1007/s11116-009-9214-z>

Mathew, T. V. (2014). Microscopic Traffic Simulation. In *Transportation System Engineering*.

McNally, M. G. (2000). *The Four Step Model*. <https://escholarship.org/uc/item/7j0003j0>

Ortúzar, J. de D., & Willumsen, L. G. (2011a). Trip Distribution Modelling. In *Modelling Transport* (pp. 175–206). John Wiley & Sons, Ltd. <https://doi.org/10.1002/9781119993308.ch5>

Ortúzar, J. de D., & Willumsen, L. G. (2011b). Trip Generation Modelling. In *Modelling Transport* (pp. 139–173). John Wiley & Sons, Ltd. <https://doi.org/10.1002/9781119993308.ch4>

Oryani, K., Greiner, U., & Harris, B. (1997). *Review of Land Use Models: Theory and Application*. National Transportation Library. <https://rosap.ntl.bts.gov/view/dot/33825>

Pani, A., Sahu, P. K., Chandra, A., & Sarkar, A. K. (2019). Assessing the extent of modifiable areal unit problem in modelling freight (trip) generation: Relationship between zone design and model estimation results. *Journal of Transport Geography*, 80, 102524. <https://doi.org/10.1016/j.jtrangeo.2019.102524>

Purevtseren, M., Tsegmid, B., Indra, M., & Sugar, M. (2018). The Fractal Geometry of Urban Land Use: The Case of Ulaanbaatar City, Mongolia. *Land*, 7(2), 67. <https://doi.org/10.3390/land7020067>

- Rodrigues, R. V. G. (2014). *Transport modelling: Macro and micro simulation for the studied case of Funchal*. <https://digituma.uma.pt/handle/10400.13/1032>
- Sen, A., & Smith, T. E. (1995). *Gravity models of spatial interaction behavior*. Springer.
- Shah, D. (08:49:52 UTC). *Traffic & Transportation surveys* [Education]. <https://www.slideshare.net/Dhwani7887/traffic-transportation-surveys>
- Silva, P. C. P. D., & Bandara, J. M. S. J. (2016). *Development of GIS based transport demand estimation model that integrates landuse and transportation infrastructure development scenarios* [Degree of Doctorate of Philosophy]. University of Moratuwa.
- Simmonds, D. (2017). *The DELTA models and their applications*. Applied Urban Modelling Symposia, Cambridge. https://ae58e0fc-68c6-4578-b299-109846c47e7a.filesusr.com/ugd/ef19bc_c4890e5bc74a4562843741300c04cc19.pdf
- STRADA - System for Traffic Demand Analysis*. (2016). Value Management Institute, Inc. <https://www.vmi.co.jp/strada/en/>
- Viegas, J. M., Martinez, L. M., & Silva, E. A. (2009). Effects of the Modifiable Areal Unit Problem on the Delineation of Traffic Analysis Zones. *Environment and Planning B: Planning and Design*, 36(4), 625–643. <https://doi.org/10.1068/b34033>
- Waddell, P., Borning, A., Noth, M., Freier, N., Becke, M., & Ulfarsson, G. (2003). Microsimulation of Urban Development and Location Choices: Design and Implementation of UrbanSim. *Networks and Spatial Economics*, 3(1), 43–67. <https://doi.org/10.1023/A:1022049000877>
- Waddell, Paul. (2002). UrbanSim: Modeling Urban Development for Land Use, Transportation and Environmental Planning. *Journal of the American Planning Association*, 68, 297–314. <https://doi.org/10.1080/01944360208976274>
- Waddell, Paul. (2011). Integrated Land Use and Transportation Planning and Modelling: Addressing Challenges in Research and Practice. *Transport Reviews*, 31(2), 209–229. <https://doi.org/10.1080/01441647.2010.525671>
- Wegener, M. (1995). Current and future land use models. In *Travel Model Improvement Program Land Use Model Conference*.
- Wegener, M. (2003). Overview of land-use transport models. *Transport Geography and Spatial Systems, Handbooks in Transport, Vol. 5*. Pergamon Press/Elsevier Science.
- Wegener, M. (2004). Overview of Land Use Transport Models. In D. A. Hensher, K. J. Button, K. E. Haynes, & P. R. Stopher (Eds.), *Handbook of Transport Geography and Spatial Systems* (Vol. 5, pp. 127–146). Emerald Group Publishing Limited. <https://doi.org/10.1108/9781615832538-009>

- Wegener, M. (1998). Applied Models of Urban Land Use, Transport and Environment: State of the Art and Future Developments. In L. Lundqvist, L.-G. Mattsson, & T. J. Kim (Eds.), *Network Infrastructure and the Urban Environment* (pp. 245–267). Springer. https://doi.org/10.1007/978-3-642-72242-4_14
- Willumsen, L. G., & Ortúzar, J. de D. (2011). Activity Based Models. In *Modelling Transport* (pp. 473–487). John Wiley & Sons, Ltd. <https://doi.org/10.1002/9781119993308.ch14>
- Wong, D. W. S. (2004). The Modifiable Areal Unit Problem (MAUP). In D. G. Janelle, B. Warf, & K. Hansen (Eds.), *WorldMinds: Geographical Perspectives on 100 Problems: Commemorating the 100th Anniversary of the Association of American Geographers 1904–2004* (pp. 571–575). Springer Netherlands. https://doi.org/10.1007/978-1-4020-2352-1_93
- You, J., Nedović-Budić, Z., & Kim, T. J. (1996). A GIS-based Traffic Analysis Zone Design: Technique. *Transportation Planning and Technology*, 21(1–2), 45–68.
- You, J., Nedović-Budić, Z., & Kim, T. J. (1998). A GIS-based traffic analysis zone design: Implementation and evaluation. *Transportation Planning and Technology*, 21(1–2), 69–91. <https://doi.org/10.1080/03081069708717602>