

# CASA0001: Urban Systems Theory

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Agent-Based Modelling in Population Studies. 2017. Springer.  
<https://link.springer.com/book/10.1007/978-3-319-32283-4#about>.

Alan Wilson. 2000. 'Chapter 1'. In *Complex Spatial Systems: The Modelling Foundations of Urban and Regional Analysis*. Harlow: Pearson Education.

Alonso, William. 1964a. *Location and Land Use: Toward a General Theory of Land Rent*. Cambridge, Mass: Harvard University Press.

———. 1964b. *Location and Land Use: Toward a General Theory of Land Rent*. Cambridge, Mass: Harvard University Press.

Anas, Alex, Richard Alex Anas, Richard Arnott and Kenneth A. Small, and Alex Anas Alex Anas, Richard Arnott and Kenneth A. Small Richard Arnott and Kenneth A. Small. 1998. 'Urban Spatial Structure'. *Journal of Economic Literature* 36 (3): 1426–64.  
<http://www.jstor.org/stable/2564805>.

Angel, Shlomo, Jason Parent, Daniel L. Civco, Alexander Blei, and David Potere. 2011. 'The Dimensions of Global Urban Expansion: Estimates and Projections for All Countries, 2000–2050'. *Progress in Planning* 75 (2): 53–107.  
<https://doi.org/10.1016/j.progress.2011.04.001>.

Arcaute, E., E. Hatna, P. Ferguson, H. Youn, A. Johansson, and M. Batty. 2014. 'Constructing Cities, Deconstructing Scaling Laws'. *Journal of The Royal Society Interface* 12 (102): 20140745–20140745. <https://doi.org/10.1098/rsif.2014.0745>.

Auchincloss, A. H., and A. V. Diez Roux. 2008. 'A New Tool for Epidemiology: The Usefulness of Dynamic-Agent Models in Understanding Place Effects on Health'. *American Journal of Epidemiology* 168 (1): 1–8. <https://doi.org/10.1093/aje/kwn118>.

Auchincloss, Amy H., and Leandro Martin Totaro Garcia. 2015. 'Brief Introductory Guide to Agent-Based Modeling and an Illustration from Urban Health Research'. *Cadernos de Saúde Pública* 31 (suppl 1): 65–78. <https://doi.org/10.1590/0102-311X00051615>.

Batty, M. 2008. 'The Size, Scale, and Shape of Cities'. *Science* 319 (5864): 769–71.  
<https://doi.org/10.1126/science.1151419>.

Batty, M., K. W. Axhausen, F. Giannotti, A. Pozdnoukhov, A. Bazzani, M. Wachowicz, G. Ouzounis, and Y. Portugali. 2012. 'Smart Cities of the Future'. *The European Physical Journal Special Topics* 214 (1): 481–518. <https://doi.org/10.1140/epjst/e2012-01703-3>.

Batty, Michael. 1997. 'Cellular Automata and Urban Form: A Primer'. *Journal of the American Planning Association* 63 (2): 266–74.  
<https://doi.org/10.1080/01944369708975918>.

———. 2005. *Cities and Complexity: Understanding Cities with Cellular Automata, Agent-Based Models, and Fractals*. Cambridge, Mass: MIT Press.

———. 2008. 'Generating Cities from the Bottom-up: Using Complexity Theory for Effective Design'. *Cluster*.  
<http://www.complexcity.info/files/2011/07/batty-cluster-magazine-2008.pdf>.

———. 2009. 'Cities as Complex Systems: Scaling, Interaction, Networks, Dynamics and Urban Morphologies'. In *Encyclopedia of Complexity and Systems Science*, edited by Robert A. Meyers, 1041–71. New York, NY: Springer New York.  
[https://doi.org/10.1007/978-0-387-30440-3\\_69](https://doi.org/10.1007/978-0-387-30440-3_69).

———. 2013. *The New Science of Cities*. Cambridge, Mass: MIT Press.

Batty, Michael, and Paul Longley. 1994. *Fractal Cities: A Geometry of Form and Function*. London: Academic Press. <http://discovery.ucl.ac.uk/1370661/>.

BERRY, BRIAN J. L. 1964. 'CITIES AS SYSTEMS WITHIN SYSTEMS OF CITIES'. *Papers of the Regional Science Association* 13 (1): 147–63.  
<https://doi.org/10.1111/j.1435-5597.1964.tb01283.x>.

Bettencourt, L. M. A. 2013. 'The Origins of Scaling in Cities'. *Science* 340 (6139): 1438–41.  
<https://doi.org/10.1126/science.1235823>.

Bettencourt, L. M. A., J. Lobo, D. Helbing, C. Kuhnert, and G. B. West. 2007. 'Growth, Innovation, Scaling, and the Pace of Life in Cities'. *Proceedings of the National Academy of Sciences* 104 (17): 7301–6. <https://doi.org/10.1073/pnas.0610172104>.

Booth, Charles, Charles Booth, and Macmillan & Co. 1892. *Life and Labour of the People in London*. London: Macmillan and Co.

Bourdieu, Pierre. 1998. *Practical Reason: On the Theory of Action*. London: Polity Press.

Bourdieu, Pierre. n.d. 'What Makes a Social Class? On The Theoretical and Practical Existence Of Groups'. *Berkeley Journal of Sociology* 32: 1–17.  
[https://ucl-new-primo.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=TN\\_jstor\\_archive\\_1041035356&context=PC&vid=UCL\\_VU2&lang=en\\_US&search\\_scope=CSCOP\\_UCL&adaptor=primo\\_central\\_multiple\\_fe&tab=local&query=any,contains,What%20makes%20a%20social%20class%3F&sortby=rank&offset=0](https://ucl-new-primo.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=TN_jstor_archive_1041035356&context=PC&vid=UCL_VU2&lang=en_US&search_scope=CSCOP_UCL&adaptor=primo_central_multiple_fe&tab=local&query=any,contains,What%20makes%20a%20social%20class%3F&sortby=rank&offset=0).

Bourne, L. S. 1996. 'Reinventing the Suburbs: Old Myths and New Realities'. *Progress in Planning* 46 (3): 163–84. [https://doi.org/10.1016/0305-9006\(96\)88868-4](https://doi.org/10.1016/0305-9006(96)88868-4).

Brenner, Neil. 2013. 'Theses on Urbanization'. *Public Culture* 25 (1): 85–114.  
<https://doi.org/10.1215/08992363-1890477>.

Brenner, Neil, and Christian Schmid. 2014. 'The "Urban Age" in Question'. *International*

Journal of Urban and Regional Research 38 (3): 731–55.  
<https://doi.org/10.1111/1468-2427.12115>.

Brunner, Eric, and Michael Marmot. 2005. 'Social Organization, Stress, and Health'. In *Social Determinants of Health*, edited by Michael Marmot and Richard Wilkinson, 6–30. Oxford University Press. <https://doi.org/10.1093/acprof:oso/9780198565895.003.02>.

Bryant, Christopher G. A. 1985. *Positivism in Social Theory and Research*. New York: St. Martin's Press.

Burgess, Ernest. 1967. 'The Growth of the City: An Introduction to a Research Project'. In *The City*, 1st ed., 4th impression. Chicago: Chicago University Press.

Burrows, Roger, and Nicholas Gane. 2006. 'Geodemographics, Software and Class'. *Sociology* 40 (5): 793–812. <https://doi.org/10.1177/0038038506067507>.

Byrne, D. S. 1998. *Complexity Theory and the Social Sciences: An Introduction*. London: Routledge.

Campbell, Scott D. 2016. 'The Planner's Triangle Revisited: Sustainability and the Evolution of a Planning Ideal That Can't Stand Still'. *Journal of the American Planning Association* 82 (4): 388–97. <https://doi.org/10.1080/01944363.2016.1214080>.

Carlstein, Tommy, Don Parkes, and N. J. Thrift. n.d. '9 A Time-Geographic Simulation Model of Individual Activity Programmes'. In *Timing Space and Spacing Time: Vol.2: Human Activity and Time Geography*, 163–80. London: Edward Arnold.

———. n.d. *Timing Space and Spacing Time: Vol.2: Human Activity and Time Geography*. London: Edward Arnold.

Castells, Manuel. 1989. *The Informational City: Information Technology, Economic Restructuring, and the Urban-Regional Process*. Oxford: Blackwell.

———. 2010. *The Rise of the Network Society*. 2nd ed., with A new pref. Vol. v. 1. Chichester: Wiley-Blackwell.  
[http://ucl.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package\\_service\\_id=3177033340004761&institutionId=4761&customerId=4760](http://ucl.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package_service_id=3177033340004761&institutionId=4761&customerId=4760).

'Charles Booth's London'. n.d. <https://booth.lse.ac.uk/>.

Clauset, Aaron, Cosma Rohilla Shalizi, and M. E. J. Newman. 2009. 'Power-Law Distributions in Empirical Data'. *SIAM Review* 51 (4): 661–703. <https://doi.org/10.1137/070710111>.

'Complexity Explorer: Santa Fe Institute'. n.d. <http://www.complexityexplorer.org/>.

Cottineau, Clementine, Olivier Finance, Erez Hatna, Elsa Arcaute, and Michael Batty. 2016. 'Defining Urban Agglomerations to Detect Agglomeration Economies'. <https://arxiv.org/abs/1601.05664>.

Coulter, Rory, Maarten van Ham, and Allan M. Findlay. 2016a. 'Re-Thinking Residential Mobility'. *Progress in Human Geography* 40 (3): 352–74.  
<https://doi.org/10.1177/0309132515575417>.

———. 2016b. 'Re-Thinking Residential Mobility'. *Progress in Human Geography* 40 (3): 352–74. <https://doi.org/10.1177/0309132515575417>.

Cristelli, Matthieu, Michael Batty, and Luciano Pietronero. 2012. 'There Is More than a Power Law in Zipf'. *Scientific Reports* 2 (1). <https://doi.org/10.1038/srep00812>.

David Harvey. 1989. 'Chapter 4 of The Urban Experience (Theory of Residential Differentiation)'. In *The Urban Experience*. Baltimore: Johns Hopkins University Press.

DCLG (Department for Communities and Local Government). 2015. 'The English Indices of Deprivation 2015: Technical Report'. [https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment\\_data/file/464485/English\\_Indices\\_of\\_Deprivation\\_2015\\_-\\_Technical-Report.pdf](https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/464485/English_Indices_of_Deprivation_2015_-_Technical-Report.pdf).

De Landa, Manuel. 2006. *A New Philosophy of Society: Assemblage Theory and Social Complexity*. London: Continuum.

Domencich, Thomas A., and Daniel McFadden. 1975. *Urban Travel Demand: A Behavioral Analysis*. Vol. 93. Amsterdam: North-Holland Publishing Co. [etc.].

Doreen Massey. 1985. '2 New Directions in Space'. In *Social Relations and Spatial Structures*, edited by Derek Gregory and John Urry. New York: St. Martin's Press.

Eeckhout, Jan. 2004. 'Gibrat's Law for (All) Cities'. *American Economic Review* 94 (5): 1429–51. <https://doi.org/10.1257/0002828043052303>.

Engels, Frederick, 1820-1895, and 1818-1883 Marx, Karl Heinrich. 1996. *Karl Marx, Frederick Engels: Collected Works, Vol. 35, Karl Marx: Capital, Vol. 1*. New York, NY: International Publishers.  
[http://ucl.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package\\_service\\_id=4933892860004761&institutionId=4761&customerId=4760](http://ucl.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package_service_id=4933892860004761&institutionId=4761&customerId=4760).

Engels, Friedrich, and V. G. Kiernan. 1987. *The Condition of the Working Class in England*. Vol. Penguin classics. Harmondsworth: Penguin.

Enright, Theresa. 2017. 'The Political Topology of Urban Uprisings'. *Urban Geography* 38 (4): 557–77. <https://doi.org/10.1080/02723638.2016.1168568>.

Espino, Nilson Ariel. 2015a. *Building the Inclusive City: Theory and Practice for Confronting Urban Segregation*. Vol. Routledge research in planning and urban design. London: Routledge, Taylor & Francis Group.  
<https://doi-org.libproxy.ucl.ac.uk/10.4324/9781315747491>.

———. 2015b. 'Chapter 6 (Power and Urban Segregation) / Chapter 7 (Power and Land Markets) / Chapter 8 (Segregation and Urban Economies)'. In *Building the Inclusive City: Theory and Practice for Confronting Urban Segregation*. London: Routledge.  
<http://dx.doi.org/10.4324/9781315747491>.

'Ethnographic Evidence, Heterogeneity, and Neighbourhood Effects After Moving to Opportunity'. 2012. Electronic resource. In *Neighbourhood Effects Research: New Perspectives*. Dordrecht: Springer.  
<http://libproxy.ucl.ac.uk/login?url=http://www.dawsonera.com/depp/reader/protected/exter>

nal/AbstractView/S9789400723092.

Florida, Richard. 2003. 'Cities and the Creative Class'. *City and Community* 2 (1): 3–19. <https://doi.org/10.1111/1540-6040.00034>.

Florida, Richard L. 2017. *The New Urban Crisis: How Our Cities Are Increasing Inequality, Deepening Segregation, and Failing the Middle Class-- and What We Can Do about It*. New York: Basic Books.

Fotheringham, A. Stewart, Ricardo Crespo, and Jing Yao. 2015. 'Exploring, Modelling and Predicting Spatiotemporal Variations in House Prices'. *The Annals of Regional Science* 54 (2): 417–36. <https://doi.org/10.1007/s00168-015-0660-6>.

Fujita, Masahisa, and Jacques François Thisse. 2013. *Economics of Agglomeration: Cities, Industrial Location, and Globalization*. 2nd ed. Cambridge: Cambridge University Press. <http://dx.doi.org/10.1017/CBO9781139051552>.

Gabaix, X. 1999. 'Zipf's Law for Cities: An Explanation'. *The Quarterly Journal of Economics* 114 (3): 739–67. <https://doi.org/10.1162/003355399556133>.

Gabaix, Xavier. 1999. 'Zipf's Law and the Growth of Cities'. *American Economic Review* 89 (2): 129–32. <https://doi.org/10.1257/aer.89.2.129>.

Garreau, Joel. 1992. *Edge City: Life on the New Frontier*. New York: Anchor Books.

Geyer, Hermanus, and Thomas Kontuly. 1993. 'A Theoretical Foundation for the Concept of Differential Urbanization'. *International Regional Science Review* 15 (2): 157–77. <https://doi.org/10.1177/016001769301500202>.

Geyer, Nicolaas Philippus. 2018. 'Counterurbanization in South Africa: Measuring Migration Significance'. *Regional Science Policy & Practice* 10 (1): 3–14. <https://doi.org/10.1111/rsp3.12105>.

Giddens, Anthony. 2013. *The Constitution of Society: Outline of the Theory of Structuration*. Electronic resource. Hoboken: Wiley. [http://ucl.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package\\_service\\_id=3181989580004761&institutionId=4761&customerId=4760](http://ucl.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package_service_id=3181989580004761&institutionId=4761&customerId=4760).

Glaeser, Edward L. 2011. *Triumph of the City*. London: Macmillan.

Graham, Stephen, and Simon Marvin. 2001. *Splintering Urbanism: Networked Infrastructures, Technological Mobilities and the Urban Condition*. London: Routledge. <https://doi.org/10.4324/9780203452202>.

Guy, Lansley, and Li Wen. 2018. '1. Consumer Registers as Spatial Data Infrastructure and Their Use in Migration and Residential Mobility Research'. Edited by Paul Longley, James Cheshire, and Alexander D. Singleton. *Consumer Data Research*. London: UCL Press. <http://dx.doi.org/10.14324/111.9781787353886>.

Hägerstraand, Torsten. 2005. 'WHAT ABOUT PEOPLE IN REGIONAL SCIENCE?' *Papers in Regional Science* 24 (1): 7–24. <https://doi.org/10.1111/j.1435-5597.1970.tb01464.x>.

Hall, Peter, and Ulrich Pfeiffer. 2000. *Urban Future 21: A Global Agenda for Twenty-First Century Cities*. London: Spon Press.

Hall, Peter, and Mark Tewdwr-Jones. 2011. *Urban and Regional Planning*. 5th ed. London: Routledge.

Hall, Suzanne, and Richard Burdett, eds. 2017. *The Sage Handbook of the 21st Century City*. 1st edition. Thousand Oaks, CA: SAGE Publications Inc.  
[http://ucl.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package\\_service\\_id=3011384930004761&institutionId=4761&customerId=4760](http://ucl.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package_service_id=3011384930004761&institutionId=4761&customerId=4760).

Ham, Maarten van. 2012. *Neighbourhood Effects Research: New Perspectives*. Electronic resource. Dordrecht: Springer. <https://doi.org/10.1007/978-94-007-2309-2>.

Hamnett, Chris. 1994. 'Social Polarisation in Global Cities: Theory and Evidence'. *Urban Studies* 31 (3): 401–24. <https://doi.org/10.1080/00420989420080401>.

Harland, K. 2012. 'Creating Realistic Synthetic Populations at Varying Spatial Scales: A Comparative Critique of Population Synthesis Techniques'. (2012) *Creating Realistic Synthetic Populations at Varying Spatial Scales: A Comparative Critique of Population Synthesis Techniques*. *Journal of Artificial Societies and Social Simulation*.  
[https://ucl-new-primo.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=TN\\_whiterose76042&context=PC&vid=UCL\\_VU2&lang=en\\_US&search\\_scope=CSCOP\\_UCL&adaptor=primo\\_central\\_multiple\\_fe&tab=local&query=any,contains,Creating%20realistic%20synthetic%20populations%20at%20varying%20spatial%20scales:%20a%20comparative%20critique%20of%20population%20synthesis%20techniques&sortby=rank&offset=0](https://ucl-new-primo.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=TN_whiterose76042&context=PC&vid=UCL_VU2&lang=en_US&search_scope=CSCOP_UCL&adaptor=primo_central_multiple_fe&tab=local&query=any,contains,Creating%20realistic%20synthetic%20populations%20at%20varying%20spatial%20scales:%20a%20comparative%20critique%20of%20population%20synthesis%20techniques&sortby=rank&offset=0).

Harris, Richard, and Ron Johnston. 2018. 'Measuring and Modelling Segregation – New Concepts, New Methods and New Data'. *Environment and Planning B: Urban Analytics and City Science* 45 (6): 999–1002. <https://doi.org/10.1177/2399808318808889>.

Harris, Richard, Peter Sleight, and Richard Webber. 2005. *Geodemographics, GIS, and Neighbourhood Targeting*. Chichester: Wiley.  
<https://search.ebscohost.com/login.aspx?direct=true&AuthType=ip,shib&db=nlebk&AN=141683&site=ehost-live&scope=site&custid=s8454451>.

Harvey, D. n.d. 'FROM MANAGERIALISM TO ENTREPRENEURIALISM - THE TRANSFORMATION IN URBAN GOVERNANCE IN LATE CAPITALISM'. *Geografiska Annaler Series B-Human Geography* 71 (1): 3–17.  
[https://ucl-new-primo.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=TN\\_wosA1989CG50300001&context=PC&vid=UCL\\_VU2=&lang=en\\_US&search\\_scope=CSCOP\\_UCL&adaptor=primo\\_central\\_multiple\\_fe&tab=local&query=title,contains,From%20managerialism%20to%20the%20entrepreneurialism,AND&query=creator,contains,harvey,%20d,AND&sortby=rank&mode=advanced&offset=0](https://ucl-new-primo.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=TN_wosA1989CG50300001&context=PC&vid=UCL_VU2=&lang=en_US&search_scope=CSCOP_UCL&adaptor=primo_central_multiple_fe&tab=local&query=title,contains,From%20managerialism%20to%20the%20entrepreneurialism,AND&query=creator,contains,harvey,%20d,AND&sortby=rank&mode=advanced&offset=0).

Harvey, David. 1969. *Explanation in Geography*. London: Edward Arnold.

———. 1996. 'Cities or Urbanization?' *City* 1 (1–2): 38–61.  
<https://doi.org/10.1080/13604819608900022>.

Harvey, David and American Council of Learned Societies. 2013. *Rebel Cities: From the*

Right to the City to the Urban Revolution. Paperback ed. London: Verso.  
<http://hdl.handle.net/2027/heb.32147>.

Harvey, David, David Harvey, and David Harvey. 1989. *The Urban Experience*. Baltimore: Johns Hopkins University Press.

'Hidden Cities, Unmasking and Overcoming Health Inequities in Urban Settings'. 2010. Geneva: World Health Organization & UN-Habitat.  
[http://apps.who.int/iris/bitstream/handle/10665/44439/9789241548038\\_eng.pdf?sequence=1&isAllowed=y](http://apps.who.int/iris/bitstream/handle/10665/44439/9789241548038_eng.pdf?sequence=1&isAllowed=y).

'Improving Urban Health Equity through Action on the Social and Environmental Determinants of Health'. 2010. London: Global research network on urban health equity.  
<http://sustainablecities.org.nz/wp-content/uploads/GRNUHEFinalReportJuly20101.pdf>.

'Inclusive and Healthy Mobility: Understanding Trends in Concessionary Travel in the West Midlands'. n.d. <https://www.cdrc.ac.uk/research/healthymobility/>.

Jabareen, Yosef Rafeq. 2006. 'Sustainable Urban Forms'. *Journal of Planning Education and Research* 26 (1): 38–52. <https://doi.org/10.1177/0739456X05285119>.

Jacobs, Jane. 1972a. *The Death and Life of Great American Cities*. Vol. Pelican books. Harmondsworth: Penguin.

———. 1972b. *The Economy of Cities*. Vol. Pelican books. Harmondsworth: Penguin Books.

Jenks, M., Elizabeth Burton, and Katie Williams. 1996. *The Compact City: A Sustainable Urban Form?* London: E & FN Spon.

Jiang, Bin Prof and Xiaobai Yao. 2010. *Geospatial Analysis and Modelling of Urban Structure and Dynamics*. Dordrecht: Springer.

Johnston, R. J. 1986. *Philosophy and Human Geography: An Introduction to Contemporary Approaches*. 2nd ed. London: Edward Arnold.

Kandt, Jens. 2018. 'Social Practice, Plural Lifestyles and Health Inequalities in the United Kingdom'. *Sociology of Health & Illness* 40 (8): 1294–1311.  
<https://doi.org/10.1111/1467-9566.12780>.

Kandt, Jens, Shu-Sen Chang, Paul Yip, and Ricky Burdett. 2017. 'The Spatial Pattern of Premature Mortality in Hong Kong: How Does It Relate to Public Housing?' *Urban Studies* 54 (5): 1211–34. <https://doi.org/10.1177/0042098015620341>.

Kasarda, John D., and Edward M. Crenshaw. 1991. 'Third World Urbanization: Dimensions, Theories, and Determinants'. *Annual Review of Sociology* 17 (1): 467–501.  
<https://doi.org/10.1146/annurev.so.17.080191.002343>.

Kenworthy, Jeffrey R. 2006. 'The Eco-City: Ten Key Transport and Planning Dimensions for Sustainable City Development'. *Environment and Urbanization* 18 (1): 67–85.  
<https://doi.org/10.1177/0956247806063947>.

- King, Leslie J. 1984. *Central Place Theory*. Vol. v. 1. Beverly Hills, Calif: Sage Publications.
- Knox, Paul L., and Steven Pinch. 2010. *Urban Social Geography: An Introduction*. 6th ed. Harlow: Prentice Hall.
- Kontuly, Thomas, and Hermanus S. Geyer. 2003. 'Lessons Learned from Testing the Differential Urbanisation Model'. *Tijdschrift Voor Economische En Sociale Geografie* 94 (1): 124–28. <https://doi.org/10.1111/1467-9663.00242>.
- Krieger, N. 2005. 'Embodiment: A Conceptual Glossary for Epidemiology'. *Journal of Epidemiology & Community Health* 59 (5): 350–55. <https://doi.org/10.1136/jech.2004.024562>.
- Kwan, Mei-po. 2004. 'Gis Methods in Time-geographic Research: Geocomputation and Geovisualization of Human Activity Patterns'. *Geografiska Annaler: Series B, Human Geography* 86 (4): 267–80. <https://doi.org/10.1111/j.0435-3684.2004.00167.x>.
- Lambooy, J.G. 1998. 'Economies of Agglomeration and Spatial Development: Cities in the Era of the Knowledge Economy'. University of Utrecht. <http://econ.geo.uu.nl/lambooy/lambooy.html>.
- Lan, Tian, Jens Kandt, and Paul A Longley. n.d. 'The Changing Pattern of Ethnic Segregation in Great Britain'.
- Lefebvre, Henri. 1991. *The Production of Space*. Oxford: Blackwell.
- Leitão, J. C., J. M. Miotto, M. Gerlach, and E. G. Altmann. 2016. 'Is This Scaling Nonlinear?' *Royal Society Open Science* 3 (7). <https://doi.org/10.1098/rsos.150649>.
- Ley, David, and Marwyn Stewart Samuels. 1978. *Humanistic Geography*. London: Croom Helm.
- Longley, Paul. 2015. *Geographic Information Science & Systems*. Fourth edition. Hoboken, NJ: John Wiley & Sons. <http://app.knovel.com/hotlink/toc/id:kpGISSE001/geographic-information-science>.
- Longley, Paul A., and Muhammad Adnan. 2016. 'Geo-Temporal Twitter Demographics'. *International Journal of Geographical Information Science* 30 (2): 369–89. <https://doi.org/10.1080/13658816.2015.1089441>.
- Longley, Paul, Michael Batty, and University College, London. Centre for Advanced Spatial Analysis. 2003. *Advanced Spatial Analysis: The CASA Book of GIS*. Redlands, Calif: ESRI Press.
- Lynch, Kevin. 1960. *The Image of the City*. Cambridge, Mass: MIT Press.
- Maguire, D. J., Michael Batty, and Michael F. Goodchild. 2005. *GIS, Spatial Analysis, and Modeling*. Redlands, Calif: ESRI Press.
- Mandelbrot, B. 1967. 'How Long Is the Coast of Britain? Statistical Self-Similarity and Fractional Dimension'. *Science* 156 (3775): 636–38. <https://doi.org/10.1126/science.156.3775.636>.



Massey, D. n.d. 'The Dimensions of Residential Segregation'. *Social Forces* 67: 281–315. [https://ucl-new-primo.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=TN\\_proquest57682674&context=PC&vid=UCL\\_VU2&lang=en\\_US&search\\_scope=CSCOP\\_UCL&adaptor=primo\\_central\\_multiple\\_fe&tab=local&query=any,contains,The%20Dimensions%20of%20Residential%20Segregation&sortby=rank](https://ucl-new-primo.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=TN_proquest57682674&context=PC&vid=UCL_VU2&lang=en_US&search_scope=CSCOP_UCL&adaptor=primo_central_multiple_fe&tab=local&query=any,contains,The%20Dimensions%20of%20Residential%20Segregation&sortby=rank).

Massey, Doreen B. 1984. *Spatial Divisions of Labour: Social Structures and the Geography of Production*. Vol. *Critical human geography*. London: Macmillan.

McDowell, Linda. 1993. 'Space, Place and Gender Relations: Part I. Feminist Empiricism and the Geography of Social Relations'. *Progress in Human Geography* 17 (2): 157–79. <https://doi.org/10.1177/030913259301700202>.

McFarlane, Colin. 2011. 'The City as Assemblage: Dwelling and Urban Space'. *Environment and Planning D: Society and Space* 29 (4): 649–71. <https://doi.org/10.1068/d4710>.

McKenzie, R. D. 1924. 'The Ecological Approach to the Study of the Human Community'. *American Journal of Sociology* 30 (3): 287–301. <https://doi.org/10.1086/213698>.

Michael Batty. n.d. 'Mike Batty's Lectures on Models, Complexity, and Smart Cities at Various Places'. <http://www.spatialcomplexity.info/>.

Michael Pacione. 2009. 'Residential Mobility and Neighbourhood Change (Chapter 10)'. In *Urban Geography: A Global Perspective*, 3rd ed. London: Routledge. [http://ucl.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package\\_service\\_id=3675172570004761&institutionId=4761&customerId=4760](http://ucl.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package_service_id=3675172570004761&institutionId=4761&customerId=4760).

Mirowski, Philip. 1989. *More Heat than Light: Economics as Social Physics, Physics as Nature's Economics*. Vol. *Historical Perspectives on Modern Economics*. Cambridge: Cambridge University Press. <http://dx.doi.org/10.1017/CBO9780511559990>.

Murdoch, Jonathan. 2006. *Post-Structuralist Geography: A Guide to Relational Space*. London: SAGE. [http://ucl.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package\\_service\\_id=2953038770004761&institutionId=4761&customerId=4760](http://ucl.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package_service_id=2953038770004761&institutionId=4761&customerId=4760).

Newman, M. E. J. 2011. 'Resource Letter CS-1: Complex Systems'. *American Journal of Physics* 79 (8): 800–810. <https://doi.org/10.1119/1.3590372>.

Newman, M.E.J. 2005. 'Power Laws, Pareto Distributions and Zipf's Law'. *Contemporary Physics* 46 (5): 323–51. <https://doi.org/10.1080/00107510500052444>.

Oka, Masayoshi, and David W. S. Wong. 2014. 'Capturing the Two Dimensions of Residential Segregation at the Neighborhood Level for Health Research'. *Frontiers in Public Health* 2 (August). <https://doi.org/10.3389/fpubh.2014.00118>.

Oppenheim, Norbert. 1995. *Urban Travel Demand Modeling: From Individual Choices to General Equilibrium*. New York: Wiley.

Pacione, Michael. 2009. *Urban Geography: A Global Perspective*. 3rd ed. London:

Routledge. <https://doi.org/10.4324/9780203881927>.

Paddison, Ronan. 2001. *Handbook of Urban Studies*. London: SAGE.

Park, Robert Ezra. 1936. 'Human Ecology'. *American Journal of Sociology* 42 (1): 1–15. <https://doi.org/10.1086/217327>.

Parker, Simon, Emma Uprichard, and Roger Burrows. 2007. 'Class Places and Place Classes: Geodemographics and the Spatialization of Class'. *Information, Communication & Society* 10 (6): 902–21. <https://doi.org/10.1080/13691180701751122>.

Paul A, Longley, and Singleton Alexander. 2016. 'The London Output Area Classification (LOAC)'. <http://www.opengeodemographics.com/#LOAC-section>.

Pisarenko, V. F., and D. Sornette. 2012. 'Robust Statistical Tests of Dragon-Kings beyond Power Law Distributions'. *The European Physical Journal Special Topics* 205 (1): 95–115. <https://doi.org/10.1140/epjst/e2012-01564-8>.

Pooley, Colin G., Jean Turnbull, and Mags Adams. 2005. *A Mobile Century?: Changes in Everyday Mobility in Britain in the Twentieth Century*. Aldershot: Ashgate.

Poulsen, Michael, Ron Johnston, and James Forrest. 2011. 'Using Local Statistics and Neighbourhood Classifications to Portray Ethnic Residential Segregation: A London Example'. *Environment and Planning B: Planning and Design* 38 (4): 636–58. <https://doi.org/10.1068/b36094>.

Pratt, Andy C. 2011. 'The Cultural Contradictions of the Creative City'. *City, Culture and Society* 2 (3): 123–30. <https://doi.org/10.1016/j.ccs.2011.08.002>.

Pumain, Denise. 2004. 'Scaling Laws and Urban Systems'. <https://www.santafe.edu/research/results/working-papers/scaling-laws-and-urban-systems>.

Reardon, Sean. n.d. 'Measures of Spatial Segregation'. *Sociological Methodology* 34: 121–62. [https://ucl-new-primo.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=TN\\_proquest60506098&context=PC&vid=UCL\\_VU2&lang=en\\_US&search\\_scope=CSCOP\\_UCL&adaptor=primo\\_central\\_multiple\\_fe&tab=local&query=any,contains,Measures%20of%20spatial%20segregation&sortby=rank](https://ucl-new-primo.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=TN_proquest60506098&context=PC&vid=UCL_VU2&lang=en_US&search_scope=CSCOP_UCL&adaptor=primo_central_multiple_fe&tab=local&query=any,contains,Measures%20of%20spatial%20segregation&sortby=rank).

Rees, Philip, Martin Bell, Marek Kupiszewski, Dorota Kupiszewska, Philipp Ueffing, Aude Bernard, Elin Charles-Edwards, and John Stillwell. 2017. 'The Impact of Internal Migration on Population Redistribution: An International Comparison'. *Population, Space and Place* 23 (6). <https://doi.org/10.1002/psp.2036>.

Rees, Philip H. 1969. 'The Factorial Ecology of Calcutta'. *American Journal of Sociology* 74 (5): 445–91. <https://doi.org/10.1086/224681>.

Relph, E. C. 1976. *Place and Placelessness*. Vol. 1. London: Pion.

Robin Morphet. 2013. 'Von Thunen's Legendre Transform'. CASA Working Paper 193 | The Bartlett Centre for Advanced Spatial Analysis - UCL - London's Global University.

<https://www.ucl.ac.uk/bartlett/casa/case-studies/2013/jul/casa-working-paper-193>.

Robinson, Jennifer. 2011. 'Cities in a World of Cities: The Comparative Gesture'. *International Journal of Urban and Regional Research* 35 (1): 1-23. <https://doi.org/10.1111/j.1468-2427.2010.00982.x>.

———. 2016. 'Comparative Urbanism: New Geographies and Cultures of Theorizing the Urban'. *International Journal of Urban and Regional Research* 40 (1): 187-99. <https://doi.org/10.1111/1468-2427.12273>.

Rohilla Shalizi, Cosma. 2011. 'Scaling and Hierarchy in Urban Economies'. <https://arxiv.org/abs/1102.4101>.

Sassen, Saskia. 1991. *The Global City: New York, London, Tokyo*. Electronic resource. 2nd ed. Princeton, NJ: Princeton University Press. [http://ucl.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package\\_service\\_id=3265494360004761&institutionId=4761&customerId=4760](http://ucl.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package_service_id=3265494360004761&institutionId=4761&customerId=4760).

———. 2001. *The Global City: New York, London, Tokyo*. 2nd ed. Princeton, N.J.: Princeton UP.

Savage, Michael, Gaynor Bagnall, and Brian Longhurst. 2005. *Globalization and Belonging*. Vol. Theory, culture&society. London: SAGE.

Schelling, Thomas C. 1971. 'Dynamic Models of Segregation'. *The Journal of Mathematical Sociology* 1 (2): 143-86. <https://doi.org/10.1080/0022250X.1971.9989794>.

Sheller, Mimi, and John Urry. 2006. 'The New Mobilities Paradigm'. *Environment and Planning A* 38 (2): 207-26. <https://doi.org/10.1068/a37268>.

Sheppard, Eric. 2015. 'Thinking Geographically: Globalizing Capitalism and Beyond'. *Annals of the Association of American Geographers* 105 (6): 1113-34. <https://doi.org/10.1080/00045608.2015.1064513>.

Simmel, Georg. 1971. *The Metropolis and Mental Life*.

SOJA, EDWARD W. 1980. 'THE SOCIO-SPATIAL DIALECTIC'. *Annals of the Association of American Geographers* 70 (2): 207-25. <https://doi.org/10.1111/j.1467-8306.1980.tb01308.x>.

SpringerLink (Online service). 2013. *Understanding Neighbourhood Dynamics: New Insights for Neighbourhood Effects Research*. Electronic resource. Edited by Maarten van Ham, Nick Bailey, Duncan Maclennan, David Manley, and Ludi Simpson. Dordrecht: Springer Netherlands. <http://dx.doi.org.libproxy.ucl.ac.uk/10.1007/978-94-007-4854-5>.

'State of European Cities Report: Adding Value to the European Urban Audit'. 2007. [https://ec.europa.eu/regional\\_policy/sources/docgener/studies/pdf/urban/stateofcities\\_2007.pdf](https://ec.europa.eu/regional_policy/sources/docgener/studies/pdf/urban/stateofcities_2007.pdf).

Steadman, Philip. n.d. 'Von Thunen Model'. <http://www.complexcity.info/media/software/von-thunens-model/>.

Stumpf, M. P. H., and M. A. Porter. 2012. 'Critical Truths About Power Laws'. *Science* 335 (6069): 665–66. <https://doi.org/10.1126/science.1216142>.

T, Hägerstrand. n.d. '7 Survival and Arena'. In *Timing Space and Spacing Time: Vol.2: Human Activity and Time Geography*, 122–45. London: Edward Arnold.

'Transforming Our World: The 2030 Agenda for Sustainable Development'. 2015. <https://sustainabledevelopment.un.org/content/documents/21252030%20Agenda%20for%20Sustainable%20Development%20web.pdf>.

Tuan, Yi-fu. 1977. *Space and Place: The Perspective of Experience*. Minneapolis: University of Minnesota Press.

UN Habitat. 2017. 'The New Urban Agenda - Habitat III'. <http://habitat3.org/the-new-urban-agenda>.

United Nations, Department of Economic and Social Affairs. 2018. 'World Urbanization Prospects: The 2018 Revision, Highlights'. New York: United Nations. <https://esa.un.org/unpd/wup/>.

United Nations Sustainable Development. 1992. 'Agenda 21'. Rio de Janeiro. <https://sustainabledevelopment.un.org/content/documents/Agenda21.pdf>.

Urban Geography. 2011. Routledge. <https://doi.org/10.4324/9780203805336>.

Urry, John. 2007. *Mobilities*. Cambridge: Polity.

———. 2012. 'Social Networks, Mobile Lives and Social Inequalities'. *Journal of Transport Geography* 21 (March): 24–30. <https://doi.org/10.1016/j.jtrangeo.2011.10.003>.

van Ham, M. 2013. 'Intergenerational Transmission of Neighbourhood Poverty: An Analysis of Neighbourhood Histories of Individuals'. *Transactions of the Institute of British Geographers*. [https://ucl-new-primo.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=UCL\\_EPR\\_DS1558445&context=L&vid=UCL\\_VU2&lang=en\\_US&search\\_scope=SCOP\\_UCL&adaptor=Local%20Search%20Engine&tab=local&query=any,contains,Intergenerational%20transmission%20of%20neighbourhood%20poverty:%20An%20analysis%20of%20individual%20neighbourhood%20histories&offset=0](https://ucl-new-primo.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=UCL_EPR_DS1558445&context=L&vid=UCL_VU2&lang=en_US&search_scope=SCOP_UCL&adaptor=Local%20Search%20Engine&tab=local&query=any,contains,Intergenerational%20transmission%20of%20neighbourhood%20poverty:%20An%20analysis%20of%20individual%20neighbourhood%20histories&offset=0).

Ward, Kevin. 2011. 'Entrepreneurial Urbanism, Policy Tourism, and the Making Mobile of Policies'. In *The New Blackwell Companion to the City*, edited by Gary Bridge and Sophie Watson, 726–37. Oxford, UK: Wiley-Blackwell. <https://doi.org/10.1002/9781444395105.ch63>.

Weaver, Warren. 1948. 'Science and Complexity'. *American Scientist* 36 (4): 536–44. <http://www.jstor.org/stable/27826254>.

Weber, Max. 1962. *Basic Concepts in Sociology*. Secaucus, N.J.: Citadel.

West, G. B. 1997. 'A General Model for the Origin of Allometric Scaling Laws in Biology'. *Science* 276 (5309): 122–26. <https://doi.org/10.1126/science.276.5309.122>.

Wilson, William J. 1987. *The Truly Disadvantaged: The Inner City, the Underclass, and Public Policy*. Chicago: University of Chicago Press.

Wirth, Louis. 1938. 'Urbanism as a Way of Life'. *American Journal of Sociology* 44 (1): 24-44. <http://www.jstor.org/stable/2768119>.

Zia, R. K. P., Edward F. Redish, and Susan R. McKay. 2009. 'Making Sense of the Legendre Transform'. *American Journal of Physics* 77 (7): 614-22. <https://doi.org/10.1119/1.3119512>.