

## Reading assignments before each lecture

### Housing markets

- [Anagol, S., Ferreira, F. and Rexer, J. \(2023\). "Estimating the Economic Value of Zoning Reform." Working Paper.](#)

### Location sorting and preferences over amenities

- [Epple, D., & Sieg, H. \(1999\). "Estimating Equilibrium Models of Local Jurisdictions." \*Journal of Political Economy\*, 107\(4\), 645–681.](#)

### Migration and urbanization

- [Monras, J. \(2020\). "Economic shocks and internal migration." Working Paper.](#)

### Quantitative spatial equilibrium models

- [Delventhal, Matt and Parkhomenko, Andrii \(2020\). "Spatial Implications of Telecommuting." Working Paper.](#)

### Segregation and neighborhood effects

- [Boustan, L. P. \(2010\). "Was postwar suburbanization "white flight"? Evidence from the black migration." \*The Quarterly Journal of Economics\*, 125\(1\): 417-443.](#)

### Regions, cities, and the environment

- [Bayer, P., Keohane, N. and Timmins, C. \(2009\). "Migration and Hedonic Valuation: The Case of Air Quality." \*Journal of Environmental Economics and Management\*, 58\(1\): 1-14.](#)

### Transportation

- [Barwick, P., Li, S., Waxman, A., Wu, J. and Xia, T. \(2022\). "Efficiency and Equity Impacts of Urban Transportation Policies with Equilibrium Sorting." Working Paper.](#)

## Papers that may be used for final presentation

### Land use and slums

- Henderson, J.V., Regan, T. and Venables, A.J., 2021. Building the city: from slums to a modern metropolis. *The Review of Economic Studies*, 88(3), pp.1157-1192.

### Housing markets

- Diamond, Rebecca, Tim McQuade, and Franklin Qian, 2019. "The Effects of Rent Control Expansion on Tenants, Landlords, and Inequality: Evidence from San Francisco." *American Economic Review*, 109 (9): 3365-94.
- Bishop, Kelly, and Timmins, Chris, 2019. "Estimating the marginal willingness to pay function without instrumental variables." *Journal of Urban Economics*, 109: 66-83.

### Location sorting and preferences over amenities

- Bayer, Patrick, Robert McMillan, Alvin Murphy, and Chris Timmins, 2016. "A Dynamic Model of Demand for Houses and Neighborhoods." *Econometrica*, 84 (3): 893-942.
- Ferreyra, M. M., 2007. Estimating the Effects of Private School Vouchers in Multidistrict Economies. *The American Economic Review*, 97(3), 789–817.

### Migration and urbanization

- Monras, J., 2020. Immigration and wage dynamics: Evidence from the Mexican peso crisis. *Journal of Political Economy*, 128(8), pp.3017-3089.
- Diamond, R., 2016. The determinants and welfare implications of US workers' diverging location choices by skill: 1980-2000. *American Economic Review*, 106(3), pp.479-524.

### Quantitative spatial equilibrium models

- Heblich, S., Redding, S.J. and Sturm, D.M., 2020. The making of the modern metropolis: evidence from London. *The Quarterly Journal of Economics*, 135(4), pp.2059-2133.
- Ahlfeldt, G.M., Redding, S.J., Sturm, D.M. and Wolf, N., 2015. The economics of density: Evidence from the Berlin Wall. *Econometrica*, 83(6), pp.2127-2189.

### Segregation and neighborhood effects

- Derenoncourt, Ellora, 2022. "Can You Move to Opportunity? Evidence from the Great Migration." *American Economic Review*, 112 (2): 369-408.

- Raj Chetty, and Nathaniel Hendren, 2018. "The Impacts of Neighborhoods on Intergenerational Mobility I: Childhood Exposure Effects." *The Quarterly Journal of Economics*, 133 (3): 1107–1162.

#### Regions, cities, and the environment

- Heblich, S., Trew, A. and Zylberberg, Y., 2021. East-side story: Historical pollution and persistent neighborhood sorting. *Journal of Political Economy*, 129(5), pp.1508-1552.

#### Transportation

- Anderson, Michael L., 2014. "Subways, Strikes, and Slowdowns: The Impacts of Public Transit on Traffic Congestion." *American Economic Review*, 104 (9): 2763-96.
- Severen, Chris, 2021. "Commuting, Labor, and Housing Market Effects of Mass Transportation: Welfare and Identification". Forthcoming at *Review of Economics and Statistics*.

## Reading material and additional references

(In-class discussions will focus on the papers in **bold**, but other papers are also useful references)

### Introduction to Urban and Regional Economics

- Duranton, G. and Puga, D., 2004. Micro-foundations of urban agglomeration economies. In *Handbook of regional and urban economics* (Vol. 4, pp. 2063-2117). Elsevier.
- Duranton, G. and Puga, D., 2015. Urban land use. In *Handbook of regional and urban economics* (Vol. 5, pp. 467-560). Elsevier.
- Redding, S.J., 2013. Economic geography: a review of the theoretical and empirical literature. *Palgrave handbook of international trade*, pp.497-531.
- Duranton, G. and Puga, D., 2020. The economics of urban density. *Journal of Economic Perspectives*, 34(3), pp.3-26.
- **Starrett, D., 1978. Market allocations of location choice in a model with free mobility. *Journal of economic theory*, 17(1), pp.21-37.**
- Fujita, M. and Thisse, J.F., 2009. New economic geography: an appraisal on the occasion of Paul Krugman's 2008 Nobel Prize in Economic Sciences. *Regional science and urban economics*, 39(2), pp.109-119.

### Spatial equilibrium: canonical urban models

- **Brueckner, Jan K. 1987. "The structure of urban equilibria: A unified treatment of the Muth-Mills model." In Edwin S. Mills (ed.) *Handbook of Regional and Urban Economics*, volume 2. Amsterdam: North-Holland, 821–845.**
- Glaeser, E. L., Kahn, M. E., & Rappaport, J. (2008) "Why do the Poor Live in Cities? The Role of Public Transportation", *Journal of Urban Economics*, 63(1), 1–24.
- LeRoy, S. F., & Sonstelie, J. (1983). "Paradise lost and regained: Transportation innovation, income, and residential location." *Journal of Urban Economics*, 13(1), 67-89.
- Roback, Jennifer (1982). "Wages, rents, and the quality of life." *Journal of political Economy*, 90(6), 1257-1278.
- Rosen, Sherwin (1979). "Wage-based Indexes of Urban Quality of Life." In *Current Issues in Urban Economics*. P.Mieszkowski and M. Straszheim eds. Baltimore: John Hopkins University Press.

## Land use and slums

- Duranton, G. and Puga, D., 2015. Urban land use. In *Handbook of regional and urban economics* (Vol. 5, pp. 467-560). Elsevier.
- Henderson, J.V., Regan, T. and Venables, A.J., 2021. Building the city: from slums to a modern metropolis. *The Review of Economic Studies*, 88(3), pp.1157-1192.
- Harari, M. and Wong, M., 2021, February. Slum upgrading and long-run urban development: Evidence from indonesia. Working Paper.
- Nechyba, T.J. and Walsh, R.P., 2004. Urban sprawl. *Journal of economic perspectives*, 18(4), pp.177-200.
- Yu, Y., 2021. Land-Use Regulation and Economic Development: Evidence from the Farm-land Red Line Policy in China. Working Paper.
- Harari, M., 2020. Cities in bad shape: Urban geometry in India. *American Economic Review*, 110(8), pp.2377-2421.
- Michaels, G., Nigmatulina, D., Rauch, F., Regan, T., Baruah, N. and Dahlstrand, A., 2021. Planning ahead for better neighborhoods: long-run evidence from Tanzania. *Journal of Political Economy*, 129(7), pp.2112-2156.
- Lucas, R.E. and Rossi-Hansberg, E., 2002. On the internal structure of cities. *Econometrica*, 70(4), pp.1445-1476.
- Baum-Snow, N., 2007. Did highways cause suburbanization?. *The quarterly journal of economics*, 122(2), pp.775-805.
- Baum-Snow, N., 2007. Suburbanization and transportation in the monocentric model. *Journal of Urban Economics*, 62(3), pp.405-423.

## Housing markets

- Anagol, S., Ferreira, F. and Rexer, J. (2021). "Estimating the Economic Value of Zoning Reform." Working Paper.
- Chay, K. Y., & Greenstone, M. (2005). "Does Air Quality Matter? Evidence from the Housing Market." *Journal of Political Economy*, 113(2), 376–424.

- Glaeser, E. L., & Gyourko, J. (2005). "Urban Decline and Durable Housing." *Journal of Political Economy*, 113(2), 345–375.
- Han, Hebllich, Timmins and Zylberberg (2021). "Cool Cities: The Value of Urban Trees"
- Saiz, A. (2010). "The Geographic Determinants of Housing Supply." *The Quarterly Journal of Economics*, 125(3), 1253–1296.

#### Location sorting and preferences over amenities

- Bayer, P., Ferreira, F., & McMillan, R. (2007). "A Unified Framework for Measuring Preferences for Schools and Neighborhoods." *Journal of Political Economy*, 115(4), 588–638.
- Bayer, P., McMillan, R., and Rueben, K. (2005). "An Equilibrium Model of Sorting in an Urban Housing Market." NBER working paper.
- **Bishop, K., Kuminoff, N., Banzhaf, S., Boyle, K., von Graevenitz, K., Pope, J., Smith, K., and Timmins, C. (2020). "Best Practices for Using Hedonic Property Value Models to Measure Willingness to Pay for Environmental Quality." *Review of Environmental Economics and Policy*, 14(2).**
- Black, S. E. (1999). "Do Better Schools Matter? Parental Valuation of Elementary Education." *The Quarterly Journal of Economics*, 114(2), 577–599.
- **Epple, D., & Sieg, H. (1999). "Estimating Equilibrium Models of Local Jurisdictions." *Journal of Political Economy*, 107(4), 645–681.**
- Fernandez, R. and Rogerson, R. (1996). "Income Distribution, Communities, and the Quality of Public Education." *Quarterly Journal of Economics*, 111(1): 135-64.
- Ferreira, F. and Wong, M. (2021). "Estimating Preferences for Neighborhood Amenities Under Imperfect Information." Working Paper.
- Ferreyra, M. M. (2007). "Estimating the Effects of Private School Vouchers in Multi-District Economies." *American Economic Review*, 97(3): 789-817.
- **Kuminoff, N., Smith, V. K., and Timmins, C. (2013). "The New Economics of Equilibrium Sorting and Policy Evaluation Using Housing Markets." *Journal of Economic Literature*, 51(4): 1007-1062.**

- Rosen, S. (1974). “Hedonic Prices and Implicit Markets: Product Differentiation in Pure Competition.” *Journal of Political Economy*, 82(1), 34–55.
- Tiebout, C. M. (1956). “A Pure Theory of Local Expenditures.” *Journal of Political Economy*, 64(5), 416–424.

## Migration and urbanization

- Amior, M. and Manning, A., 2018. The persistence of local joblessness. *American Economic Review*, 108(7), pp.1942-70.
- Brueckner, J.K. and Lall, S.V., 2015. Cities in developing countries: fueled by rural–urban migration, lacking in tenure security, and short of affordable housing. *Handbook of regional and urban economics*, 5, pp.1399-1455.
- Bryan, G. and Morten, M., 2019. The aggregate productivity effects of internal migration: Evidence from Indonesia. *Journal of Political Economy*, 127(5), pp.2229-2268.
- Diamond, R., 2016. The determinants and welfare implications of US workers' diverging location choices by skill: 1980-2000. *American Economic Review*, 106(3), pp.479-524.
- Greenwood, M.J., 1997. Internal migration in developed countries. *Handbook of population and family economics*, 1, pp.647-720.
- Huttunen, K., Møen, J. and Salvanes, K.G., 2018. Job loss and regional mobility. *Journal of Labor Economics*, 36(2), pp.479-509.
- Kennan, J. and Walker, J.R., 2011. The effect of expected income on individual migration decisions. *Econometrica*, 79(1), pp.211-251.
- Kone, Z.L., Liu, M.Y., Mattoo, A., Ozden, C. and Sharma, S., 2018. Internal borders and migration in India. *Journal of Economic Geography*, 18(4), pp.729-759.
- Lagakos, D., 2020. Urban-rural gaps in the developing world: Does internal migration offer opportunities?. *Journal of Economic perspectives*, 34(3), pp.174-92.
- Lewis, E. and Peri, G., 2015. Immigration and the Economy of Cities and Regions. In *Handbook of regional and urban economics* (Vol. 5, pp. 625-685). Elsevier.
- Molloy, R., Smith, C.L. and Wozniak, A., 2011. Internal migration in the United States. *Journal of Economic perspectives*, 25(3), pp.173-96.

- Monras, J., 2020. Economic shocks and internal migration. Working Paper.
- Monras, J., 2020. Immigration and wage dynamics: Evidence from the Mexican peso crisis. *Journal of Political Economy*, 128(8), pp.3017-3089.
- Nakamura, E., Sigurdsson, J. and Steinsson, J., The Gift of Moving: Intergenerational Consequences of a Mobility Shock. *The Review of Economic Studies*.
- Sarvimäki, M., Uusitalo, R. and Jäntti, M., 2022. Habit formation and the misallocation of labor: evidence from forced migrations. *Journal of the European Economic Association*, forthcoming.
- Young, A., 2013. Inequality, the urban-rural gap, and migration. *The Quarterly Journal of Economics*, 128(4), pp.1727-1785.

#### Quantitative spatial equilibrium models

- Caliendo, L., Dvorkin, M. and Parro, F., 2019. Trade and labor market dynamics: General equilibrium analysis of the china trade shock. *Econometrica*, 87(3), pp.741-835.
- Redding, S.J. and Rossi-Hansberg, E., 2017. Quantitative spatial economics. *Annual Review of Economics*, 9, pp.21-58.
- Heblich, S., Redding, S.J. and Sturm, D.M., 2020. The making of the modern metropolis: evidence from London. *The Quarterly Journal of Economics*, 135(4), pp.2059-2133.
- Ahlfeldt, G.M., Redding, S.J., Sturm, D.M. and Wolf, N., 2015. The economics of density: Evidence from the Berlin Wall. *Econometrica*, 83(6), pp.2127-2189.
- Redding, S.J. and Sturm, D.M., 2008. The costs of remoteness: Evidence from German division and reunification. *American Economic Review*, 98(5), pp.1766-97.
- Allen, T. and Arkolakis, C., 2014. Trade and the Topography of the Spatial Economy. *The Quarterly Journal of Economics*, 129(3), pp.1085-1140.
- Allen, T. and Arkolakis, C., 2019. *The welfare effects of transportation infrastructure improvements* (No. w25487). National Bureau of Economic Research.
- Delventhal, Matt and Parkhomenko, Andrii (2020). Spatial Implications of Telecommuting.

#### Segregation and neighborhood effects

- Beaman, L. A. (2012). "Social networks and the dynamics of labour market outcomes: Evidence from refugees resettled in the US." *The Review of Economic Studies*, 79(1): 128-161.

- Benabou, R. (1993). "Workings of a City: Location, Education, and Production." *Quarterly Journal of Economics*, 108(3): 619-52.
- **Boustan, L. P. (2010). "Was postwar suburbanization "white flight"? Evidence from the black migration." *The Quarterly Journal of Economics*, 125(1): 417-443.**
- Caetano, G. and Maheshri, V. (2021). "A unified empirical framework to study segregation." Working Paper.
- Card, D., Mas, A., & Rothstein, J. (2008). Tipping and the Dynamics of Segregation. *The Quarterly Journal of Economics*, 123(1), 177–218.
- **Chetty, R., Hendren, N., & Katz, L. F. (2016). The Effects of Exposure to Better Neighborhoods on Children: New Evidence from the Moving to Opportunity Experiment. *The American Economic Review*, 106(4), 855–902.**
- Christensen, P., and Timmins, C. (2021). Sorting or Steering: The Effects of Housing Discrimination on Neighborhood Choice.
- Cutler, D. M., Glaeser, E. L., and Vigdor, J. L. (1999). "The rise and decline of the American ghetto." *Journal of political economy*, 107(3): 455-506.
- Derenoncourt, E. (2022). "Can You Move to Opportunity? Evidence from the Great Migration." *American Economic Review*, 112(2): 369-408.
- Edin, Per-Anders, Peter Fredriksson, and Olof Åslund. (2003). "Ethnic Enclaves and the Economic Success of Immigrants—Evidence from a Natural Experiment." *Quarterly Journal of Economics*, 118(1): 329–357.
- Guerrieri, V. and Alessandra F. (2019). "The End of the American Dream? Inequality and Segregation in US Cities." NBER Working Paper No. 26143.
- Schelling, T. C. (1969). "Models of Segregation." *The American Economic Review*, 59(2): 488–493.
- Shi, Hartley, Mazumder and Rajan (2021): "The Effects of the Great Migration on Urban Renewal"
- Wong, M. (2013). Estimating Ethnic Preferences Using Ethnic Housing Quotas in Singapore. *The Review of Economic Studies*, 80(3 (284)), 1178–1214.

- **Kahn, M.E. and Walsh, R., 2015. Cities and the Environment. *Handbook of regional and urban economics*, 5, pp.405-465.**
- Balboni, C.A., 2021. In harm's way? infrastructure investments and the persistence of coastal cities. Working Paper.
- **Bayer, P., Keohane, N. and Timmins, C. (2009). "Migration and Hedonic Valuation: The Case of Air Quality." *Journal of Environmental Economics and Management*, 58(1): 1-14.**
- Hebllich, S., Trew, A. and Zylberberg, Y., 2021. East-side story: Historical pollution and persistent neighborhood sorting. *Journal of Political Economy*, 129(5), pp.1508-1552.
- Desmet, K. and Rossi-Hansberg, E., 2015. On the spatial economic impact of global warming. *Journal of Urban Economics*, 88, pp.16-37.
- Desmet, K., Kopp, R.E., Kulp, S.A., Nagy, D.K., Oppenheimer, M., Rossi-Hansberg, E. and Strauss, B.H., 2021. Evaluating the Economic Cost of Coastal Flooding. *American Economic Journal: Macroeconomics*, 13(2).
- Conte, B., Desmet, K., Nagy, D.K. and Rossi-Hansberg, E., 2021. Local sectoral specialization in a warming world. *Journal of Economic Geography*, 21(4), pp.493-530.

## Transportation

- Barwick, P., Li, S., Waxman, A., Wu, J. and Xia, T. (2022). "Efficiency and Equity Impacts of Urban Transportation Policies with Equilibrium Sorting." Working Paper.
- Baum-Snow, N. (2007). Did Highways Cause Suburbanization? *The Quarterly Journal of Economics*, 122(2), 775–805.
- Brinkman and Lin (2020). "Freeway Revolts! The Quality of Life Effects of Highways"
- Bucholz, Doval, Kastl, Matejka, and Salz (2020): The Value of Time: Evidence From Auctioned Cab Rides
- Victor Couture, Gilles Duranton, Matthew A. Turner; Speed. *The Review of Economics and Statistics* 2018; 100 (4): 725–739.
- Duranton, G., & Turner, M. A. (2011). The Fundamental Law of Road Congestion: Evidence from US Cities. *The American Economic Review*, 101(6), 2616–2652.
- **Kreindler. 2022. Peak-Hour Road Congestion Pricing: Experimental Evidence and Equilibrium Implications.**

- Tsivanidis. N. 2019. Evaluating the Impact of Urban Transit Infrastructure: Evidence from Bogotá's TransMilenio.