

Firm Dynamics and the Size Distribution of Firms

- Statistical analysis [7, 19, 20]
- Evidence [16, 6]
- Stochastic Models [25, 27, 18, 35]

Determinants of Firm Growth & Size Distribution

- Learning by doing [43, 8, 9, 29]
- Innovation [3, 22, 38, 23]
- Endogenous differentiation/returns to scale [39, 40]
- Time to build/adjustment costs/customer acquisition [12, 37, 36]
- Strategic aspects
 - Competition and Innovation [2]
 - Competition, Learning by Doing and Forgetting [10, 11]
- Information, policies and distortions [13]

Creative Destruction and Firm Dynamics

- The Klette and Kortum model [31, 33]
- Decomposition of Firm Growth [21, 30]

Concentration and Markups

- Rise on concentration and markups: facts:[5, 4, 14, 41, 26]
- Explanations:
 - Population Aging:[28, 34, 24, 32, 17]
 - Technical Change: [1, 26, 15, 42]

References

- [1] Philippe Aghion, Antonin Bergeaud, Timo Boppart, Peter J. Klenow, and Huiyu Li. Missing growth from creative destruction. *American Economic Review*, 109(8):2795–2822, August 2019.
- [2] Philippe Aghion, Nick Bloom, Richard Blundell, Rachel Griffith, and Peter Howitt. Competition and Innovation: an Inverted-U Relationship*. *The Quarterly Journal of Economics*, 120(2):701–728, 05 2005.
- [3] Andrew Atkeson and Ariel Tomás Burstein. Innovation, firm dynamics, and international trade. *Journal of Political Economy*, 118(3):433–484, 2010.
- [4] David Autor, David Dorn, Lawrence F. Katz, Christina Patterson, and John Van Reenen. Concentrating on the fall of the labor share. *American Economic Review*, 107(5):180–85, May 2017.
- [5] David Autor, David Dorn, Lawrence F Katz, Christina Patterson, and John Van Reenen. The Fall of the Labor Share and the Rise of Superstar Firms*. *The Quarterly Journal of Economics*, 135(2):645–709, 02 2020.
- [6] Bee Yan Aw, Sukkyun Chung, and Mark J. Roberts. Productivity, output, and failure: a comparison of taiwanese and korean manufacturers*. *The Economic Journal*, 113(491):F485–F510, 2003.
- [7] Robert L. Axtell. Zipf distribution of u.s. firm sizes. *Science*, 293(5536):1818–1820, 2001.
- [8] Natarajan Balasubramanian and Marvin B. Lieberman. Learning-by-doing and market structure. *The Journal of Industrial Economics*, 59(2):177–198, 2011.
- [9] C. Lanier Benkard. Learning and forgetting: The dynamics of aircraft production. *American Economic Review*, 90(4):1034–1054, September 2000.

- [10] David Besanko and Ulrich Doraszelski. Capacity dynamics and endogenous asymmetries in firm size. *The RAND Journal of Economics*, 35(1):23–49, 2004.
- [11] David Besanko, Ulrich Doraszelski, Yaroslav Kryukov, and Mark Satterthwaite. Learning-by-doing, organizational forgetting, and industry dynamics. *Econometrica*, 78(2):453–508, 2010.
- [12] Russell W. Cooper and John C. Haltiwanger. On the Nature of Capital Adjustment Costs. *The Review of Economic Studies*, 73(3):611–633, 07 2006.
- [13] Joel M. David and Venky Venkateswaran. The sources of capital misallocation. *American Economic Review*, 109(7):2531–67, July 2019.
- [14] Jan De Loecker, Jan Eeckhout, and Gabriel Unger. The Rise of Market Power and the Macroeconomic Implications*. *The Quarterly Journal of Economics*, 135(2):561–644, 01 2020.
- [15] Maarten de Ridder. Market power and innovation in the intangible economy. 2020.
- [16] Timothy Dunne, Mark J. Roberts, and Larry Samuelson. Patterns of firm entry and exit in u.s. manufacturing industries. *The RAND Journal of Economics*, 19(4):495–515, 1988.
- [17] Niklas Engbom. Firm and worker dynamics in an aging labor market. Working paper, November 2017.
- [18] Richard Ericson and Ariel Pakes. Markov-perfect industry dynamics: A framework for empirical work. *The Review of Economic Studies*, 62(1):53–82, 1995.
- [19] Xavier Gabaix. Zipf’s law for cities: An explanation. *The Quarterly Journal of Economics*, 114(3):739–767, 1999.
- [20] Xavier Gabaix. Power laws in economics and finance. *Annual Review of Economics*, 1(1):255–294, 2009.
- [21] Daniel Garcia-Macia, Chang-Tai Hsieh, and Peter J. Klenow. How destructive is innovation? *Econometrica*, 87(5):1507–1541, 2019.

- [22] Ronald L. Goettler and Brett R. Gordon. Does amd spur intel to innovate more? *Journal of Political Economy*, 119(6):1141–1200, 2011.
- [23] Ronald L. Goettler and Brett R. Gordon. Does amd spur intel to innovate more? *Journal of Political Economy*, 119(6):1141–1200, 2011.
- [24] Hugo Hopenhayn, Julian Neira, and Rish Singhania. From population growth to firm demographics: Implications for concentration, entrepreneurship and the labor share. Working Paper 25382, National Bureau of Economic Research, December 2018.
- [25] Hugo A Hopenhayn. Entry, Exit, and Firm Dynamics in Long Run Equilibrium. *Econometrica*, 60(5):1127–1150, September 1992.
- [26] Chang-Tai Hsieh and Esteban Rossi-Hansberg. The industrial revolution in services. Working paper, Princeton University, March 2020.
- [27] Boyan Jovanovic. Selection and the evolution of industry. *Econometrica*, 50(3):649–670, 1982.
- [28] Fatih Karahan, Benjamin Pugsley, and Aysegul Sahin. Demographic origins of the startup deficit. Working paper, May 2018.
- [29] Ryan Kellogg. Learning by Drilling: Interfirm Learning and Relationship Persistence in the Texas Oilpatch *. *The Quarterly Journal of Economics*, 126(4):1961–2004, 10 2011.
- [30] Peter J Klenow and Huiyu Li. Innovation accounting. 2020.
- [31] Tor Jakob Klette and Samuel Kortum. Innovating Firms and Aggregate Innovation. *Journal of Political Economy*, 112(5):986–1018, October 2004.
- [32] Joseph Kopecky. An aging dynamo: demographic change and the decline of entrepreneurial activity in the united states. Working paper, 2017.
- [33] Rasmus Lentz and Dale T. Mortensen. An empirical model of growth through product innovation. *Econometrica*, 76(6):1317–1373, 2008.
- [34] James Liang, Hui Wang, and Edward P. Lazear. Demographics and entrepreneurship. *Journal of Political Economy*, 126(S1):140–196, 2018.

- [35] Erzo G. J. Luttmer. Selection, Growth, and the Size Distribution of Firms*. *The Quarterly Journal of Economics*, 122(3):1103–1144, 08 2007.
- [36] Erzo G. J. Luttmer. On the Mechanics of Firm Growth. *The Review of Economic Studies*, 78(3):1042–1068, 02 2011.
- [37] Erzo G.J. Luttmer. Models of growth and firm heterogeneity. *Annual Review of Economics*, 2(1):547–576, 2010.
- [38] Bettina Peters, Mark J. Roberts, Van Anh Vuong, and Helmut Fryges. Estimating dynamic r&d choice: an analysis of costs and long-run benefits. *The RAND Journal of Economics*, 48(2):409–437, 2017.
- [39] Emmanuel Petrakis, Eric Rasmusen, and Santanu Roy. The learning curve in a competitive industry. *The RAND Journal of Economics*, 28(2):248–268, 1997.
- [40] Emmanuel Petrakis and Santanu Roy. Cost-reducing investment, competition, and industry dynamics. *International Economic Review*, 40(2):381–401, 1999.
- [41] Esteban Rossi-Hansberg, Pierre-Daniel Sarte, and Nicholas Trachter. Diverging trends in national and local concentration. Working Paper 25066, National Bureau of Economic Research, September 2018.
- [42] Sergio Salgado. Technical change and entrepreneurship. 2019.
- [43] Peter Thompson. Learning by doing. In *Handbook*, volume 1, chapter Chapter 10, pages 429–476. Elsevier, 2010.