The Impact of Constitutional Protection of Economic Rights on Entrepreneurship: A Taxonomic Survey

Other titles in Foundations and Trends[®] in Entrepreneurship

Minority Entrepreneurship 2.0 Timothy Bates ISBN: 978-1-63828-048-4

From the Metaphor to the Concept of the Entrepreneurial Journey in Entrepreneurship Research Tõnis Mets ISBN: 978-1-63828-016-3

Student Entrepreneurship: Reflections and Future Avenues for Research Bart Clarysse, Philippe Mustar and Lisa Dedeyne ISBN: 978-1-63828-012-5

Lumps, Bumps and Jumps in the Firm Growth Process Alex Coad ISBN: 978-1-68083-960-9

Understanding Entrepreneurial Failure: Conceptualizing Failure, Taking Stock, and Broadening the Scope of Failure Research Anna Jenkins ISBN: 978-1-68083-950-0

Pioneering Entrepreneurship Research: How, by Whom, and When Pontus Braunerhjelm, Martin Andersson and Johan Eklund ISBN: 978-1-68083-948-7

The Impact of Constitutional Protection of Economic Rights on Entrepreneurship: A Taxonomic Survey

Emanuela Carbonara

University of Bologna, Italy emanuela.carbonara@unibo.it

Enrico Santarelli

University of Bologna, Italy enrico.santarelli@unibo.it



Foundations and Trends[®] in Entrepreneurship

Published, sold and distributed by: now Publishers Inc. PO Box 1024 Hanover, MA 02339 United States Tel. +1-781-985-4510 www.nowpublishers.com sales@nowpublishers.com

Outside North America: now Publishers Inc. PO Box 179 2600 AD Delft The Netherlands Tel. +31-6-51115274

The preferred citation for this publication is

E. Carbonara and E. Santarelli. *The Impact of Constitutional Protection of Economic Rights on Entrepreneurship: A Taxonomic Survey.* Foundations and Trends[®] in Entrepreneurship, vol. 19, no. 2, pp. 126–223, 2023.

ISBN: 978-1-63828-111-5 © 2023 E. Carbonara and E. Santarelli

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, mechanical, photocopying, recording or otherwise, without prior written permission of the publishers.

Photocopying. In the USA: This journal is registered at the Copyright Clearance Center, Inc., 222 Rosewood Drive, Danvers, MA 01923. Authorization to photocopy items for internal or personal use, or the internal or personal use of specific clients, is granted by now Publishers Inc for users registered with the Copyright Clearance Center (CCC). The 'services' for users can be found on the internet at: www.copyright.com

For those organizations that have been granted a photocopy license, a separate system of payment has been arranged. Authorization does not extend to other kinds of copying, such as that for general distribution, for advertising or promotional purposes, for creating new collective works, or for resale. In the rest of the world: Permission to photocopy must be obtained from the copyright owner. Please apply to now Publishers Inc., PO Box 1024, Hanover, MA 02339, USA; Tel. +1 781 871 0245; www.nowpublishers.com; sales@nowpublishers.com

now Publishers Inc. has an exclusive license to publish this material worldwide. Permission to use this content must be obtained from the copyright license holder. Please apply to now Publishers, PO Box 179, 2600 AD Delft, The Netherlands, www.nowpublishers.com; e-mail: sales@nowpublishers.com

Foundations and Trends[®] in Entrepreneurship Volume 19, Issue 2, 2023 Editorial Board

Editors-in-Chief

Albert N. Link University of North Carolina at Greensboro United States David B. Audretsch Indiana University United States

Editors

Howard Aldrich University of North Carolina

Sharon Alvarez University of Denver

Per Davidsson Queensland University of Technology

Michael Frese National University of Singapore

William B. Gartner Babson College

Michael A. Hitt Texas A&M University Joshua Lerner Harvard University

Jeff McMullen Indiana University

Maria Minniti Syracuse University

Simon Parker University of Western Ontario

Holger Patzelt TU Munich

Saras Sarasvathy University of Virginia

Roy Thurik Erasmus University

Editorial Scope

Topics

Foundations and Trends $^{\tiny (\! B\!)}$ in Entrepreneurship publishes survey and tutorial articles in the following topics:

- Nascent and start-up entrepreneurs
- Opportunity recognition
- New venture creation process
- Business formation
- Firm ownership
- Market value and firm growth
- Franchising
- Managerial characteristics and behavior of entrepreneurs
- Strategic alliances and networks
- Government programs and public policy
- Gender and ethnicity

- New business financing:
 - Business angels
 - Bank financing, debt, and trade credit
 - Venture capital and private equity capital
 - Public equity and IPOs
- Family-owned firms
- Management structure, governance and performance
- Corporate entrepreneurship
- High technology:
 - Technology-based new firms
 - High-tech clusters
- Small business and economic growth

Information for Librarians

Foundations and Trends[®] in Entrepreneurship, 2023, Volume 19, 4 issues. ISSN paper version 1551-3114. ISSN online version 1551-3122. Also available as a combined paper and online subscription.

Contents

1	Intr	oduction	3
2	Institutions and Entrepreneurship: A Critical Overview		
	2.1	Institutions, the Organization of Economic Activity and	
		Economic Outcomes	7
	2.2	Entrepreneurial Ecosystems	11
	2.3	Institutions and Government Intervention in the	
		Ecosystems	16
3	The Economic Impact of Constitutions		23
	3.1	Why Should Constitutions Affect the Economy?	23
	3.2	De Jure and de Facto Constitutional Protection	24
	3.3	Obeying and Evading the Law	27
4	The	Economic Constitution	31
	4.1	What Is the Economic Constitution?	31
	4.2	The Economic Constitution of Europe and the "Priority"	
		of the Market	37
5	Mea	asuring Entrepreneurship	41

6		Variables at Play: An Analysis of the Economic			
	Con	stitution Around the World	44		
	6.1	Protecting Property Rights	53		
	6.2	Protecting Intellectual Property Rights	54		
	6.3	Free Markets	60		
	6.4	Business Freedom	61		
	6.5	Economic Planning and State Intervention	62		
	6.6	The Right to Education	66		
	6.7	Protecting the Environment	67		
	6.8	Fighting Corruption	68		
	6.9	Ethnic Integration	70		
		Human Rights and the Economy	70		
7	Constitutions and Entrepreneurship: A Complex				
	Relationship 7				
	7.1	The Moderating Effects of Population Characteristics and			
		Personality Traits	73		
	7.2	Entrepreneurship, Institutions, and Labor Productivity	75		
	7.3	The Economic Constitution in the EU	76		
	1.5		10		
8	Conclusions, Policy Implications and Directions for				
	Futu	ire Research	78		
Ap	Appendix				
Deferences					
Ke	References				

The Impact of Constitutional Protection of Economic Rights on Entrepreneurship: A Taxonomic Survey

Emanuela Carbonara¹ and Enrico Santarelli²

¹Department of Sociology and Business Law, University of Bologna, Italy; emanuela.carbonara@unibo.it ²Department of Economics, University of Bologna, Italy; enrico.santarelli@unibo.it

ABSTRACT

In this monograph we perform an in-depth analysis of 199 constitutional texts to single out the provisions that, by enhancing economic freedom in a country, are likely to create the institutional side of an entrepreneurial ecosystem favorable to new business creation. The relevant information on constitutions is extracted from the Comparative Constitutions Project: A Cross-National Historical Dataset of Written Constitutions (Elkins *et al.*, 2009), a repository of valuable data on the formal characteristics of written constitutions for most independent states since 1789. Data on entrepreneurial activity in the countries taken into account in the empirical analysis are extracted from the World Bank Group Entrepreneurship Database. The study addresses a question of primary importance for the analysis of entrepreneurship: Does constitutional protection of principles

©2023 E. Carbonara and E. Santarelli

Emanuela Carbonara and Enrico Santarelli (2023), "The Impact of Constitutional Protection of Economic Rights on Entrepreneurship: A Taxonomic Survey", Foundations and Trends[®] in Entrepreneurship: Vol. 19, No. 2, pp 126–223. DOI: 10.1561/0300000105.

2

and values which are commonly referred to as the "economic constitution" and which are usually associated with a country's entrepreneurial activity, positively influence the rate of new firm formation and the total endowment of entrepreneurship capital in that country? We are able to give a positive answer to this question and this legitimates us to recommend inclusion of provisions prone to entrepreneurship in the constitution of any country.

1

Introduction

In modern economics, the importance of entrepreneurship is usually highlighted in terms of its impact on long-term growth and aggregate productivity (cf., among others, Aghion and Bolton, 1977). But there is more. As suggested by Audretsch and Moog (2022), entrepreneurship is also a cornerstone of democracy. Although one cannot exclude that the relationship between entrepreneurship and democracy might be affected by reverse causation, it is out of question that the latter is the fundamental common value among Western countries, and that entrepreneurship represents the pillar ensuring the "independent, decentralized, and autonomous-decision making" necessary to preserve democracy. It is therefore no surprise that the legal and institutional frameworks that characterize most Western countries have been designed to generate incentive-compatible mechanisms intrinsically favorable to the creation of new firms (Carbonara *et al.*, 2016; Davidsson, 2015). Conversely, the centrally planned economies of the 20th century relied upon institutional arrangements favoring state-controlled transactions and limiting the right to establish and conduct a business.

The institutional setups of Western countries are consistent with the "democratic" view of entrepreneurship described by Audretsch and

Introduction

Moog (2022). Scholars embracing this view consider the importance of "the many" firms that are created at any time in any industry and portion of territory more than that of "the few" high-growth gazelles, unicorns (valued at \$1 billion), and decacorns (valued at \$10 billion) which are expected to dominate the high-tech field and push forward the frontiers of innovation (cf., among others, Kuratko and Audretsch, 2022; Mogos *et al.*, 2021).

In fact, countries differ in terms of firm demographics and contribution of Small and Medium-Sized Enterprises (SMEs) to Gross Domestic Product (GDP), with some of them characterized by greater proneness to entrepreneurship and higher rates of new firm formation than others. This empirical evidence has been taken by the strain of literature initiated by Acs *et al.* (2009) as a clue that the endowment of entrepreneurship capital varies significantly across countries.

Among the possible explanations of such heterogeneity, the role played by different legal and institutional systems deserves special attention. Legal systems protecting property rights (both real and intellectual), together with the right to establish and conduct a business and market freedom seem to exert a positive effect on entrepreneurship. Therefore, cross-country differences in the enforcement of such norms may explain the observed variation in the endowment of entrepreneurship capital.

Since constitutions delineate the pillars of the legal systems that govern organizations and entities in a country, they can be assumed to represent the institutional framework that governs and addresses the main features of social and economic life in a country. For example, the principles introduced by America's Founders at the Constitutional Convention sessions in 1787 to protect property rights and free markets clearly contributed to promote the conditions for the entrepreneurial dynamism lately witnessed by de Tocqueville (1838), who wrote "What astonishes me in the United States is not so much the marvelous grandeur of some undertakings as the innumerable multitude of small ones" (*On Democracy in America*, Chapter XIX). The widespread acceptance of such principles is certainly among the underlying factors which on July 30, 1953 lead the US Congress to pass the Small Business Act and

4

create the Small Business Administration, with the purpose to help small businesses to grow and create jobs.

There is debate on whether the explicit inclusion of a right in the constitution represents an effective protection of that right and a powerful tool for fostering the enactment of consistent lower-level laws. On the one hand, constitutions represent higher-rank legal sources, and the universe of subordinated rules and norms cannot oppose their principles and provisions. Constitutional protection therefore grants a special status to rights (Kelsen, 1967), which is likely to make their impact on economic activity notable. On the other hand, it is often argued that not all constitutional rights are implemented *de facto*, which means that constitutional inclusion might have no impact at all on the behavior of economic agents (Chilton and Versteeg, 2016).

It then becomes interesting to assess whether constitutional provisions directly or indirectly favoring the creation and the success of new firms, and which preserve small businesses exert an effective, positive impact on a country's endowment of entrepreneurship capital.

The purpose of the present study is to highlight how certain characteristics of the legal infrastructure of a country may create conditions that enhance new business creation. Thus, it is an exploration of the institutional determinants of entrepreneurship and the way these can affect the observed cross-country differences in the creation of new firms. Our main aim is then to perform an analysis of 199 constitutions, to single out the provisions that enhance economic freedom and are thus likely to create an institutional and legal setup favorable to new business creation. The relevant information on constitutions will be extracted from the Comparative Constitutions Project: A Cross-National Historical Dataset of Written Constitutions (Elkins et al., 2009), a repository of valuable data on the formal characteristics of written constitutions for most independent states since 1789. Country-level data on entrepreneurial activity will be taken from the World Bank Group Entrepreneurship Database. The study will try to answer a question of primary importance for the analysis of entrepreneurship: Does the constitutional protection of principles and values which are usually associated with a country's endowment of entrepreneurship capital and

Introduction

presence of small firms positively influence the rate of new firm formation and the total endowment of entrepreneurship capital in that country? Should this question get a positive answer, one will be legitimated to recommend inclusion of provisions prone to entrepreneurship in the constitution of any country.

The remainder of this monograph is structured as follows. Section 2discusses the importance of institutions in shaping the entrepreneurship capital of a country and favoring the emergence of entrepreneurial ecosystems. Section 3 describes how higher-rank formal institutions represented by actual constitutional provisions affect the design of lower rank norms and regulations of primary importance for economic activity. Section 4 outlines the features of "economic constitutions", i.e., of constitutional provisions playing a key role in the management of a country's economy. Section 5 gives an overview of alternative measures of entrepreneurship and discusses their implications for empirical analysis. Section 6 focuses on the countries that have adopted the principles of "economic constitutions" in their written constitutions and discusses the impact of the *de jure* and *de facto* implementation of such principles on entrepreneurship. Section 7 shows how the prevailing psychological traits of a country's population may shape the impact of constitutional provisions on its proneness to entrepreneurship and sheds light on the relationship between constitutional provisions and the observed cross-country and cross-industry differences in labor productivity. Finally, Section 8 concludes and provides some recommendations for entrepreneurship policy.

6

- Acemoglu, D., S. Johnson, and J. A. Robinson (2005). "The rise of Europe: Atlantic trade, institutional change and economic growth". *American Economic Review*. 95(3): 546–579.
- Acs, Z. J., T. Åstebro, D. B. Audretsch, and D. T. Robinson (2016a).
 "Public policy to promote entrepreneurship: A call to arms". *Small Business Economics*. 47(1): 35–51.
- Acs, Z. J., D. B. Audretsch, P. Braunerhjelm, and B. Carlsson (2009).
 "The knowledge spillover theory of entrepreneurship". *Small Business Economics*. 32(1): 15–30.
- Acs, Z. J., D. B. Audretsch, E. E. Lehmann, and G. Licht (2016b). "National systems of entrepreneurship". *Small Business Economics*. 46(4): 527–535.
- Acs, Z. J., E. Autio, and L. Szerb (2014). "National systems of entrepreneurship: Measurement issues and policy implications". *Re*search Policy. 43(3): 476–494.
- Acs, Z. J., S. Desai, and J. Hessels (2008). "Entrepreneurship, economic development and institutions". *Small Business Economics*. 31(3): 219–234.
- Acs, Z. J., S. Estrin, T. Mickiewicz, and L. Szerb (2018). "Entrepreneurship, institutional economics, and economic growth: An ecosystem perspective". *Small Business Economics*. 51(2): 501–514.

- Acs, Z. J. and M. Sanders (2012). "Patents, knowledge spillovers, and entrepreneurship". *Small Business Economics*. 39(4): 801–817.
- Acs, Z. J., A. K. Song, L. Szerb, D. B. Audretsch, and E. Komlósi (2021).
 "The evolution of the global digital platform economy: 1971–2021". Small Business Economics. 57(4): 1629–1659.
- Acs, Z. J., L. Szerb, R. Ortega-Argilés, R. Aidis, and A. Coduras (2015). "The regional application of the global entrepreneurship and development index (GEDI): The case of Spain". *Regional Studies*. 49(12): 1977–1994.
- Adams, S. B. (2021). "From orchards to chips: Silicon Valley's evolving entrepreneurial ecosystem". *Entrepreneurship and Regional Devel*opment. 33(1–2): 15–35.
- Aghion, P. and P. Bolton (1977). "A theory of trickle-down growth and development". *Review of Economic Studies*. 64(2): 151–172.
- Aghion, P. and P. Howitt (1997). *Endogenous Growth Theory*. Cambridge, MA: MIT Press.
- Anderson, G. (2012). "Beyond constitutionalism beyond the state". Journal of Law and Society. 39(3): 359–383.
- Argentiero, A., R. Cerqueti, and F. Sabatini (2021). "Does social capital explain the Solow residual? A DSGE approach". *Structural Change* and Economic Dynamics. 58(1): 35–53.
- Armington, C. and Z. J. Acs (2002). "The determinants of regional variation in new firm formation". *Regional Studies*. 36(1): 33–45.
- Audretsch, D. B. and M. Belitski (2017). "Entrepreneurial ecosystems in cities: Establishing the framework conditions". *Journal of Technology Transfer.* 42(5): 1030–1051.
- Audretsch, D. B., O. Falck, M. P. Feldman, and S. Heblich (2011). "Local entrepreneurship in context". *Regional Studies*. 46(3): 379– 389.
- Audretsch, D. B. and M. Feldman (2004). "Knowledge spillovers and the geography of innovation". In: *Handbook of Regional and Urban Economics*. Vol. 4. Amsterdam: Elsevier. 2713–2739.
- Audretsch, D. B. and M. Fritsch (1994). "The geography of firm births in Germany". *Regional Studies*. 28(4): 359–365.
- Audretsch, D. B. and M. Fritsch (2002). "Growth regimes over time and space". *Regional Studies*. 36(2): 113–124.

- Audretsch, D. B. and P. Moog (2022). "Democracy and entrepreneurship". *Entrepreneurship Theory and Practice*. 46(2): 368–392.
- Audretsch, D. B., M. Obschonka, S. D. Gosling, and J. Potter (2017). "A new perspective on entrepreneurial regions: Linking cultural identity with latent and manifest entrepreneurship". *Small Business Economics.* 48(3): 681–697.
- Autio, E. and J. Levie (2017). "Management of entrepreneurial ecosystems". In: *The Wiley Handbook of Entrepreneurship*. Ed. by G. Ahmetoglu, T. Chamorro-Premuzic, B. Klinger, and T. Karcisky. New York: Wiley. 423–449.
- Barzel, Y. (1989). Economic Analysis of Property Rights. Cambridge, UK: Cambridge University Press.
- Baumol, W. J. (1990). "Entrepreneurship: Productive, unproductive, and destructive". *Journal of Political Economy*. 98(5): 893–921.
- Baumol, W. J. (2010). The Microtheory of Innovative Entrepreneurship. Princeton, NJ: Princeton University Press.
- Baumol, W. J., R. E. Litan, and C. J. Schramm (2006). Good Capitalism Bad Capitalism: And the Economics of Growth and Prosperity. New Haven, CT: Yale University Press.
- Belderbos, R. A., M. Kazimierczak, and M. Goedhuys (2021). "Trademarks, patents and the appropriation strategies of incumbents: The scope of new firm formation in European regions". *Regional Studies*. forthcoming. DOI: 10.1080/00343404.2021.1947486.
- Berkowitz, D., K. Pastor, and J.-F. Richard (2003). "Economic development, legality, and the transplant effect". *European Economic Review*. 47(1): 165–195.
- Bessen, J. and E. Maskin (2009). "Sequential innovation, patents, and imitation". *RAND Journal of Economics*. 40(4): 611–635.
- Bingham, T. (2011). The Rule of Law. London: Penguin.
- Blume, L., J. Müller, and S. Voigt (2009a). "The economic effects of direct democracy—A first global assessment". *Public Choice*. 140(3): 431–461.
- Blume, L., J. Müller, S. Voigt, and C. Wolf (2009b). "The economic effects of constitutions: Replicating—And extending—Persson and Tabellini". *Public Choice*. 139(1–2): 197–225.

- Boutillier, S., D. Carré, and N. Levratto (2016). *Entrepreneurial Ecosys*tems. Hoboken, NJ: John Wiley & Sons, Inc. DOI: 10.1002/tie.22164.
- Boyd, R. and P. J. Richerson (1992). "Punishment allows the evolution of cooperation (or anything else) in sizable groups". *Ethology and Sociobiology.* 13(3): 171–195.
- Buchanan, J. and G. Tullock (1962). The Calculus of Consent—Logical Foundations of Constitutional Democracy. Ann Arbor, MI: University of Michigan Press.
- Bukari, C. and E. A. Anaman (2021). "Corruption and firm innovation: A grease or sand in the wheels of commerce? Evidence from lowermiddle and upper-middle income economies". *Eurasian Business Review.* 11(2): 267–302.
- Bylund, P. L. and M. McCaffrey (2017). "A theory of entrepreneurship and institutional uncertainty". *Journal of Business Venturing*. 32(5): 461–475.
- Cabral, L. M. B. (2004). "Simultaneous entry and welfare". European Economic Review. 48(5): 943–957.
- Cabral, L. M. B. (2014). "Good turnover and bad turnover: Barriers to business and productivity". *Economics Letters*. 125(2): 179–181.
- Camuffo, A. (2003). "Transforming industrial districts: Large firms and small business networks in the Italian eyewear industry". *Industry and Innovation*. 10(4): 377–401.
- Carbonara, E. (2017). "Law and social norms". In: *The Oxford Handbook of Law and Economics*. Ed. by F. Parisi. New York: Oxford University Press. 466–482.
- Carbonara, E., G. Gianfreda, E. Santarelli, and G. Vallanti (2021). "The impact of intellectual property rights on labor productivity: Do constitutions matter?" *Industrial and Corporate Change*. 30(4): 884–904.
- Carbonara, E. and F. Parisi (2007). "The paradox of legal harmonization". *Public Choice*. 132(3–4): 367–400.
- Carbonara, E. and F. Parisi (2009). "Choice of law and legal evolution: Rethinking the market for legal rules". *Public Choice*. 139(3–4): 461–492.

- Carbonara, E., F. Parisi, and G. von Wangenheim (2008). "Lawmakers as norm entrepreneurs". *Review of Law and Economics*. 4(3): 779– 799.
- Carbonara, E., F. Parisi, and G. von Wangenheim (2012). "Unjust laws and illegal norms". *International Review of Law and Economics*. 32(3): 285–299.
- Carbonara, E., F. Parisi, and G. von Wangenheim (2015). "Rent-seeking and litigation: The hidden virtues of limited fee shifting". *Review of Law and Economics.* 11(2): 113–148.
- Carbonara, E., E. Santarelli, M. Obschonka, H. T. Tran, S. D. Gosling, and J. Potter (2018). "Agency culture, constitutional provisions and entrepreneurship: A cross-country analysis". *Industrial and Corporate Change*. 27(3): 507–524.
- Carbonara, E., E. Santarelli, and H. T. Tran (2016). "De Jure determinants of new firm formation: How the pillars of constitutions influence entrepreneurship". Small Business Economics. 47(1): 139– 162.
- Carbonara, E., H. T. Tran, and E. Santarelli (2020). "Determinants of novice, portfolio, and serial entrepreneurship: An occupational choice approach". *Small Business Economics*. 53(1): 12–151.
- Cassese, S. (2021). La Nuova Costituzione Economica. 6th edition. Bari, Italy: Laterza.
- Chilton, A. S. and M. Versteeg (2015). "The failure of constitutional torture prohibitions". *Journal of Legal Studies*. 44(2): 417–452.
- Chilton, A. S. and M. Versteeg (2016). "Do constitutional rights make a difference?" American Journal of Political Science. 60(3): 575–589.
- Courser, Z., E. Helland, and K. Miller (eds.) (2018). Parchment barriers. Political Polarization and the Limits of Constitutional Order. Lawrence, KS: University Press of Kansas.
- Cruz, J. B. (2002). *Between Competition and Free Movement*. Oxford: Hart Publishing.
- Davidsson, P. (2015). "Entrepreneurial opportunities and the entrepreneurship Nexus: A re-conceptualization". Journal of Business Venturing. 30(5): 674–695.

- Della Malva, A. and E. Santarelli (2016). "Intellectual property rights, distance to the frontier, and R&D: Evidence from microdata". *Eurasian Business Review.* 6(1): 1–24.
- Dicey, A. V. (1885). Lectures Introductory to the Study of the Law of the Constitution. London: McMillan.
- Digman, J. M. (1997). "Higher-order factors of the big five". Journal of Personality and Social Psychology. 73(6): 1246–1256.
- Djankov, S., R. La Porta, F. Lopez-De-Silanes, and A. Shleifer (2002). "The regulation of entry". *Quarterly Journal of Economics*. 117(1): 1–37.
- Djankov, S., R. La Porta, F. Lopez-de-Silanes, and A. Shleifer (2003). "The new comparative economics". *Journal of Comparative Economics*. 31(4): 595–619.
- Dorado, S. and M. J. Ventresca (2013). "Crescive entrepreneurship in complex social problems: Institutional conditions for entrepreneurial engagement". *Journal of Business Venturing*. 28(1): 69–82.
- Downes, L. (2009). The Laws of Disruption: Harnessing the New Forces That Govern Life and Business in the Digital Age. New York: Basic Books.
- Dreher, A., P.-G. Méon, and F. Schneider (2014). "The Devil is in the shadow. Do institutions affect income and productivity or only official income and official productivity?" *Public Choice*. 158(1–2): 121–141.
- Eicher, T. S., C. García-Peñalosa, and D. J. Kuenzel (2018). "Constitutional rules as determinants of social infrastructure". *Journal of Macroeconomics.* 57(C): 182–209.
- Eicher, T. S. and A. Leukert (2009). "Institutions and economic performance: Endogeneity and parameter heterogeneity". Journal of Money, Credit and Banking. 41(1): 197–219.
- Elert, N. and M. Henrekson (2017). "Entrepreneurship and institutions: A bidirectional relationship". Foundations and Trends in Entrepreneurship. 13(3): 191–263.

- Elert, N., M. Henrekson, and M. Sanders (2019). "Entrepreneurship, the rule of law, and protection of property rights". In: *The Entrepreneurial Society. International Studies in Entrepreneurship.* Vol. 43. Berlin, Heidelberg: Springer. DOI: 10.1007/978-3-662-59586 -2_2.
- Elkins, Z., T. Ginsburg, and J. Melton (2009). The Comparative Constitutions Project: A Cross-national Historical Dataset of Written Constitutions. Mimeo.
- Estrin, S., J. Korosteleva, and T. Mickiewicz (2012). "Which institutions encourage entrepreneurial growth aspirations?" *Journal of Business Venturing.* 28(4): 564–580.
- Estrin, S., T. Mickiewicz, and U. Stephan (2013). "Entrepreneurship, social capital, and institutions: Social and commercial entrepreneurship across nations". *Entrepreneurship Theory and Practice*. 7(3): 479–504.
- Feld, B. (2012). Startup Communities: Building an Entrepreneurial Ecosystem in Your City. New York: Wiley.
- Feld, L. P. and S. Voigt (2003). "Economic growth and judicial independence: Cross-country evidence using a new set of indicators". *European Journal of Political Economy.* 19(3): 497–527.
- Feldman, M., J. Francis, and J. Bercovitz (2005). "Creating a cluster while building a firm: Entrepreneurs and the formation of industrial clusters". *Regional Studies*. 39(1): 129–141.
- Foster, L., J. Haltiwanger, and C. Syverson (2008). "Reallocation, firm turnover, and efficiency: Selection on productivity or profitability?" *American Economic Review*. 98(1): 394–425.
- Freeman, J. A., G. Carroll, and M. Hannan (1983). "The liability of newness: Age dependence in organizational death rates". *American Sociological Review*. 48(5): 692–710.
- Galasintu, S. and C. Loveera (2021). "The comparative study on consumer protection laws in ASEAN". Kasatsart Journal of Social Sciences. 42(4): 804–809.
- Gangopadhyay, K. and D. Mondal (2012). "Does stronger protection of intellectual property stimulate innovation?" *Economics Letters*. 116(1): 80–82.

90

- Gerber, D. (1994). "Constitutionalizing the economy: German neoliberalism, competition law and the 'new' Europe". The American Journal of Comparative Law. 42(1): 25–84.
- Gerber, D. (1998). Law and Competition in Twentieth Century Europe: Protecting Prometheus. Oxford: Clarendon Press.
- Gill, S. (1998). "New constitutionalism, democratisation and global political economy". *Global Change, Peace and Security.* 10(1): 23–38.
- Gill, S. (2005). "New constitutionalism, democratisation and global political economy". In: *The Global Governance Reader*. Ed. by R. Wilkinson. London: Routledge. 174–186.
- Glaeser, E. D., R. La Porta, F. Lopez-de-Silanes, and A. Shleifer (2004). "Do institutions cause growth?" *Journal of Economic Growth*. 9(3): 271–303.
- Godin, B. (2009). "National innovation system: The system approach in historical perspective". *Science, Technology, and Human Values.* 34(4): 476–501.
- Gosling, S. D., S. Vazire, S. Srivastava, and O. P. John (2004). "Should we trust web-based studies? A comparative analysis of six preconceptions about internet questionnaires". *American Psychologist.* 59(2): 93–104.
- Griliches, Z. (1979). "Issues in assessing the contribution of research and development to productivity growth". Bell Journal of Economics. 10(1): 92–116.
- Guerrero, M., J. E. Amoròs, and D. Urbano (2021). "Do employees' generational cohorts influence corporate venturing? A multilevel analysis". *Small Business Economics*. 57(1): 47–74.
- Hervas-Oliver, J.-L., M. Lleo, and R. Cervello (2017). "The dynamics of cluster entrepreneurship: Knowledge legacy from parents or agglomeration effects? The case of the Castellon ceramic tile district". *Research Policy.* 46(1): 73–92.
- Huyghebaert, N. and Q. Quan (2011). "Ownership dynamics after partial privatization: Evidence from China". *Journal of Law and Economics.* 54(2): 389–429.
- IMF (1997). World Economic Survey: Globalization—Opportunities and Challenges. Washington: IMF.

- Isenberg, D. J. (2010). "The big idea: How to start an entrepreneurial revolution". Harvard Business Review. 88(6): 2–11.
- Jauregui, A., K. C. Heriot, and D. T. Mitchell (2021). "Corruption and formal-sector entrepreneurship in a middle-income country: Spatial analysis of firm births in the Mexican states". Small Business Economics. 57(4): 1957–1972.
- Joerges, C. (1996). States without a Market. Comments on the German Constitutional Court's Maastricht Judgement and Plea for Interdisciplinary Discourses. Utrecht: NISER Working Paper.
- Joerges, C. (2005). "What is left of the European economic constitution? A melancholic euology". *European Law Review*. 30: 461–489.
- Johnson, S., J. McMillan, and C. Woodruff (2002). "Property rights and finance". *American Economic Review*. 92(5): 1335–1356.
- Jovanovic, B. (1982). "Selection and the evolution of industry". *Econo*metrica. 50(3): 649–670.
- Kahneman, D., P. Slovic, and A. Tversky (1982). Judgment Under Uncertainty: Heuristics and Biases. Cambridge, UK: Cambridge University Press.
- Keith, L. C. (2002). "Constitutional provisions for individual human rights (1977–1996): Are they more than mere window dressing?" *Political Research Quarterly.* 55(1): 111–143.
- Keith, L. C. (2012). Political Repression Courts and the Law. Philadelphia, PA: University of Pennsylvania Press.
- Kelsen, H. (1967). *Pure Theory of Law*. Berkeley and Los Angeles, CA: University of California Press.
- Kirzner, I. M. (1973). Competition and Entrepreneurship. Chicago, IL: University of Chicago Press.
- Kirzner, I. M. (2009). "The alert and creative entrepreneur: A clarification". Small Business Economics. 32(2): 145–152.
- Kolstad, I. and A. Wiig (2015). "Education and entrepreneurial success". Small Business Economics. 44(4): 783–796.
- Kuratko, D. F. and D. B. Audretsch (2022). "The future of entrepreneurship: The few or the many?" Small Business Economics. 59(1): 269– 278.

- Lafuente, E., Z. J. Acs, M. Sanders, and L. Szerb (2020). "The global technology frontier: Productivity growth and the relevance of Kirznerian and Schumpeterian entrepreneurship". *Small Business Economics.* 55(1): 153–178.
- Law, D. S. (2010). "Constitutions". In: The Oxford Handbook of Empirical Legal Research. Ed. by P. Cane and H. M. Kritzer. Oxford: Oxford University Press.
- Legrand, P. (1997). "The impossibility of legal transplants". Maastricht Journal of European and Comparative Law. 4(2): 111–124.
- Lerner, J. (2009). "The empirical impact of intellectual property rights on innovation: Puzzles and Clues". American Economic Review. 99(2): 343–348.
- Leutner, F., G. Ahmetoglu, R. Akhtar, and T. Chamorro-Premuzic (2014). "The relationship between the entrepreneurial personality and the big five personality traits". *Personality and Individual Differences.* 63(1): 58–63.
- Lichand, G. and R. R. Soares (2014). "Access to justice and entrepreneurship: Evidence from Brazil's special civil tribunals". Journal of Law and Economics. 57(2): 459–499.
- Lipset, S. M. (1969). Political Man: The Social Basis of Modern Politics. New York: Doubleday.
- Lucas, R. E. (1978). "On the size distribution of business firms". Bell Journal of Economics. 9(2): 508–523.
- Lundvall, B.-Å. (1992). *National Systems of Innovation*. London: Frances Pinter.
- Madison, J. (1788). The Federalist Papers: No. 48, From the New York Packet. Friday, February 1, 1788.
- Maduro, M. P. (1998). We the Court: The European Court of Justice and the European Economic Constitution. Oxford: Hart Publishing.
- Mattei, U. (1997). *Comparative Law and Economics*. Ann Arbor, MI: University of Michigan Press.
- Mauro, P. (1995). "Corruption and growth". Quarterly Journal of Economics. 110(3): 681–712.

- McMullen, J. S., K. Brownell, and J. Adams (2021). "What makes an entrepreneurship study entrepreneurial? Toward a unified theory of entrepreneurial agency". *Entrepreneurship Theory and Practice*. 45(5): 1197–1238.
- Melton, J., Z. Elkins, T. Ginsburg, and K. Leetaru (2013). "On the interpretability of law: Lessons from the decoding of national constitutions". British Journal of Political Science. 43(2): 399–423.
- Méon, P. G. and K. Sekkat (2005). "Does corruption grease or sand the wheels of growth?" *Public Choice*. 122(1–2): 69–97.
- Méon, P. G. and L. Weill (2010). "Is corruption an efficient grease?" World Development. 38(3): 244–259.
- Miao, C., J. Gast, R. Laouiti, and W. Nakara (2022). "Institutional factors, religiosity, and entrepreneurial activity: A quantitative examination across 85 countries". World Development. 149(105695). DOI: 10.1016/j.worlddev.2021.105695.
- Mogos, S., A. Davis, and R. Baptista (2021). "High and sustainable growth: Persistence, volatility, and survival of high growth firms". *Eurasian Business Review*. 11(1): 135–161.
- Mokyr, J. (1998). "The political economy of technological change: Resistance and innovation in economic history". In: *Technological Revolutions in Europe*. Ed. by M. Berg and K. Bruland. Cheltenham, UK and Northampton, MA: Edward Elgar. 39–64.
- Moore, J. F. (1993). "Predators and Prey: A new ecology of competition". Harvard Business Review. 71(3): 75–86.
- Nelson, R. R. (1993). National Innovation Systems: A Comparative Analysis. Oxford: Oxford University Press.
- Nicol, D. (2010). The Constitutional Protection of Capitalism. Portland, OR: Hart Publishing.
- North, D. C. (1990). Institutions, Institutional Change and Economic Performance. Cambridge, UK: Cambridge University Press.
- North, D. C. (1991). "Institutions". Journal of Economic Perspectives. 5(2): 97–112.
- North, D. C. and B. R. Weingast (1989). "Constitutions and commitment: The evolution of institutions governing public choice in seventeenth-century England". *Journal of Economic History*. 49(4): 803–832.

- Obschonka, M., M. Stuetzer, S. D. Gosling, P. J. Rentfrow, M. E. Lamb, J. Potter, D. B. Audretsch, and L. J. Waldorp (2015). "Entrepreneurial regions: Do macro-psychological cultural characteristics of regions help solve the 'knowledge paradox' of economics?" *PLoS One.* 10(6): e0129332.
- Oliar, D. (2006). "Making sense of the intellectual property clause: Promotion of progress as a limitation on congress's intellectual property power". *Georgetown Law Journal.* 94: 1771–1845.
- Parker, S. C. (2009). The Economics of Entrepreneurship. Cambridge, UK: Cambridge University Press.
- Patel, P. C. and M. T. Wolfe (2022). "Of free markets and a secular mind: The value of economic decentralization and individual secular values in entrepreneurship". *Small Business Economics*. 58(1): 93– 119.
- Persson, T. and G. Tabellini (2003). *The Economic Effects of Constitutions*. Cambridge, MA: The MIT Press.
- Persson, T. and G. Tabellini (2006). "Democracy and development: The devil in the details". *American Economic Review*. 96(2): 319–324.
- Porter, M. E. (1990). *The Competitive Advantage of Nations*. New York: Macmillan.
- Prosser, T. (2014). The Economic Constitution. Oxford: Oxford University Press.
- Putnam, R. (1993). Making Democracy Work: Civic Traditions in Modern Italy. Princeton, NJ: Princeton University Press.
- Reynolds, P., D. J. Storey, and P. Westhead (1994). "Cross-national comparisons of the variation in new firm formation rates: An editorial overview". *Regional Studies*. 28(4): 343–346.
- Robinson, J. A., D. Acemoglu, and S. Johnson (2005). "Institutions as a fundamental cause of long-run growth". In: *Handbook of Economic Growth.* Vol. 1. Chapter 6. Amsterdam: Elsevier. 386–472.
- Rocha, H. and D. B. Audretsch (2022). "Entrepreneurial ecosystems, regional clusters, and industrial districts: Historical transformations or rhetorical devices?" *Journal of Technology Transfer*. Forthcoming. DOI: 10.1007/s10961-022-09920-6.

- Rockett, K. (2010). "Property rights and inventions". In: Handbook of the Economics of Innovation. Vol. 1. Amsterdam: Elsevier. Chapter 7. 315–380.
- Rodrik, D. (2007). One Economics, Many Recipes: Globalization, Institutions, and Economic Growth. Princeton, NJ: Princeton University Press.
- Sacco, R. (1991). "Legal formants: A dynamic approach to comparative law". American Journal of Comparative Law. 39(1): 1–34.
- Santarelli, E., M. Carree, and I. Verheul (2009). "Unemployment and firm entry and exit: An update on a controversial relationship". *Regional Studies*. 43(8): 1061–1073.
- Santarelli, E. and E. Pesciarelli (1990). "The emergence of a vision: The development of Schumpeter's theory of entrepreneurship". *History* of *Political Economy*. 22(4): 677–696.
- Santarelli, E. and M. Vivarelli (2002). "Is subsidizing entry an optimal policy?" *Industrial and Corporate Change*. 11(1): 39–52.
- Santarelli, E. and M. Vivarelli (2007). "Entrepreneurship and the process of firm's entry, survival and growth". *Industrial and Corporate Change*. 16(3): 455–488.
- Sauter, W. (1998). "The economic constitution of the European union". Columbia Journal of European Law. 4(1): 27–68.
- Schumpeter, J. A. (1934). The Theory of Economic Development: An Inquiry into Profits, Capital, Credits, Interest, and the Business Cycle. Piscataway, NJ: Transaction Publishers.
- Shane, S. and S. Venkataraman (2000). "The promise of entrepreneurship as a field of research". Academy of Management Review. 25(1): 217–226.
- Spigel, B. (2017). "The relational organization of entrepreneurial ecosystems". *Entrepreneurship Theory and Practice*. 41(1): 49–72.
- Spigel, B. and R. Harrison (2018). "Toward a process theory of entrepreneurial ecosystems". *Strategic Entrepreneurship Journal*. 12(1): 151–168.
- Sprague, A., A. Raub, and J. Heymann (2020). "Providing a foundation for decent work and adequate income during health and economic crises: Constitutional approaches in 193 countries". *International Journal of Sociology and Social Policy*. 40(9–10): 1087–1105.

96

- Stam, E. (2015). "Entrepreneurial ecosystems and regional policy: A sympathetic critique". European Planning Studies. 23(9): 1759–1769.
- Stinchcombe, A. L. (1965). "Social structure and organizations". In: *Handbook of Organizations*. Ed. by J. G. March. Chicago, IL: Rand McNally. 142–193.
- Stuetzer, M., M. Obschonka, D. B. Audretsch, M. Wyrwich, P. J. Rentfrow, M. Coombes, L. Shaw-Taylor, and M. Satchell (2016). "Industry structure, entrepreneurship, and culture: An empirical analysis using historical coalfields". *European Economic Review*. 86(1): 52– 72.
- Stuetzer, M., M. Obschonka, U. Brixy, R. Sternberg, and U. Cantner (2014). "Regional characteristics, opportunity perception and entrepreneurial activities". *Small Business Economics*. 42(2): 221– 244.
- Sunstein, C. (1996). "Social norms and social roles". Columbia Law Review. 96(4): 903–968.
- Tang, J., Z. Tang, and J. Birton (2017). "Exploring the relationship between entrepreneurial orientation, CEO dual values, and SME performance in state-owned vs. nonstate-owned enterprises in China". *Entrepreneurship Theory and Practice*. 41(6): 883–908.
- Timoney, N. (1984). "Economic planning in France". Journal of the Statistical and Social Inquiry Society of Ireland. 25(1): 121–157.
- Tocqueville, A. de (1838). *Democracy in America*. New York: G. Dearborn & Co.
- Tran, H. T. and E. Santarelli (2021). "Successful transition to a market economy: An interpretation from organizational ecology theory and institutional theory". *Industrial and Corporate Change*. 30(3): 652– 677.
- Van Praag, C. M. (2005). Successful Entrepreneurship: Confronting Economic Theory with Empirical Practice. Cheltenham: Edward Elgar.
- van Stel, A., D. Storey, and R. Thurik (2007). "The effect of business regulations on nascent and young business entrepreneurship". *Small Business Economics*. 28(2–3): 171–186.

- van Stel, A. and P. van der Zwan (2020). "Analyzing the changing education distributions of solo self-employed workers and employer entrepreneurs in Europe". *Small Business Economics*. 55(2): 429– 445.
- Watson, A. (1995). "From legal transplants to legal formants". American Journal of Comparative Law. 43(3): 469–476.
- Williamson, O. E. (1985). The Economic Institutions of Capitalism: Firms, Markets, Relational Contracting. New York: Free Press.
- Williamson, O. E. (2000). "The new institutional economics: Taking stock, looking ahead". Journal of Economic Literature. 38(3): 595– 613.
- Wolfe, D. (2005). "The role of universities in regional development and cluster formation". In: *Creating Knowledge, Strengthening Nations*. Ed. by G. Jones, P. McCarney, and M. Skolnik. Toronto: University of Toronto Press. 167–194.
- World Economic Forum (2013). Entrepreneurial Ecosystems Around the Globe and Company Growth Dynamics. Davos: World Economic Forum.
- Wurth, B., E. Stam, and B. Spigel (2021). "Toward an entrepreneurial ecosystem research program". *Entrepreneurship Theory and Practice*. DOI: 10.1177/1042258721998948.
- Zak, P. and S. Knack (2001). "Trust and growth". *Economic Journal*. 111(470): 295–321.