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Research Interests: Empirical I.O., Industrial Dynamics, International trade, Theory of the Firm

Links: [My page at Ideas Repec](#)

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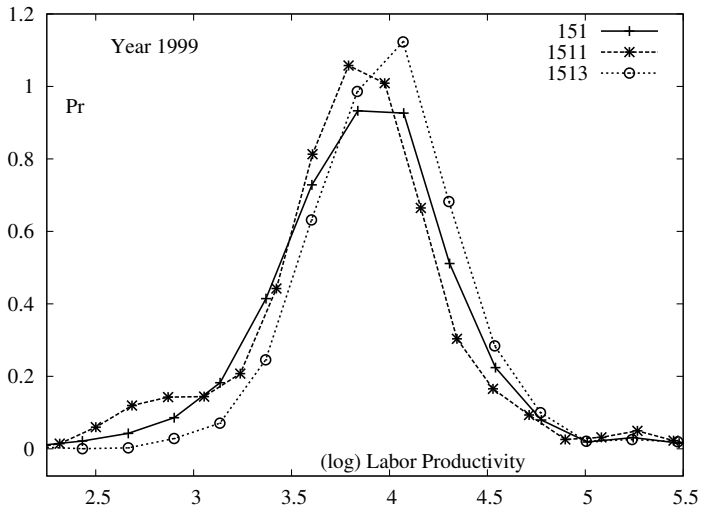
Short Bio

- Working Experience
 - From 2015 profess. associato, Università di Bologna
 - From 2012 ricercatore TI, Università di Bologna
 - 2008-2012 ricercatore TD, Scuola Sup. Sant'Anna
 - 2007-2008 docente a contratto, Università di Bolzano
- Education
 - PhD 2006 Scuola Sup. Sant'Anna Pisa
 - 2005 Visiting Scholar, Wharton School (UPenn)
 - 2002 Laurea, Univ. di Firenze
- Visiting positions
 - Sept-Oct 2015 Visiting Professor, University of Cambridge, UK.
 - Apr 2015 Visiting Professor, University of Notre Dame, Indiana, USA.
 - Oct 2010 - Oct 2011 Visiting Professor, Università di Pisa.
 - Jul 2007 - Sep 2008 Visiting Professor, University of Bozen.
- Projects and Fundings
 - French INSEE project: trade, technology & employment dynamics (04-2016)
 - Cassa di Risparmio di Forlì (Organization of Industries, innovation and trade)
 - Participation to several EU funded projects, i.e. FINNOV, ISIGrowth
 - Ongoing Collaboration with ISTAT (J. Ec Soc Measur, 2013)

Research and Teaching

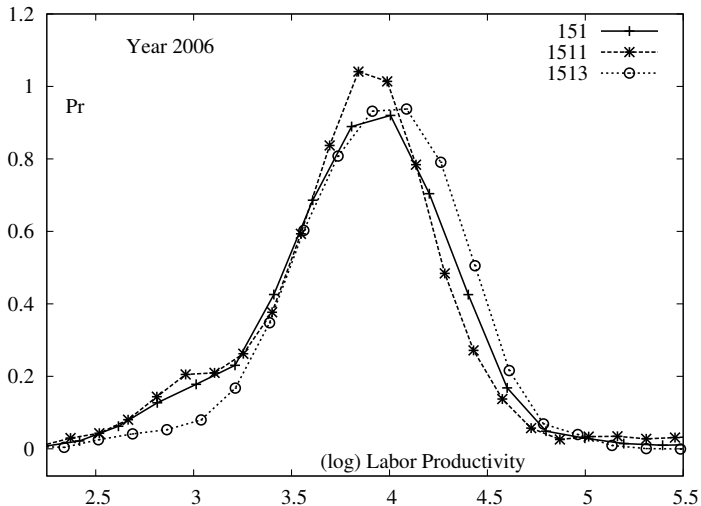
- Fields of research
 - International Trade
 - Industrial Dynamics (comparative)
 - Theory of the firm } Firm heterogeneity
- Bibliometrics (as of April 25th)
 - Googlescholar: 566 citations
 - ISI Web of Science: 77 citations from 12 articles
 - Scopus: 110 citations from 17 articles
- Teaching
 - In Italian: Microeconomia (UniPi, UniBo); Econ Internaz (UniBo); Econ. Industriale Avanzata (Unibo);
 - In English: Advanced Micro (UniBozen); Economics of Comp. Policy (UniBo)
 - In French: Macroeconomics and growth (Post-graduate, CEUB-UniBO)
 - PhD (in English): Consumer and Production theory, Industrial Dynamics (Sant'Anna, Pisa)

Heterog. performances Meat Products (1999)



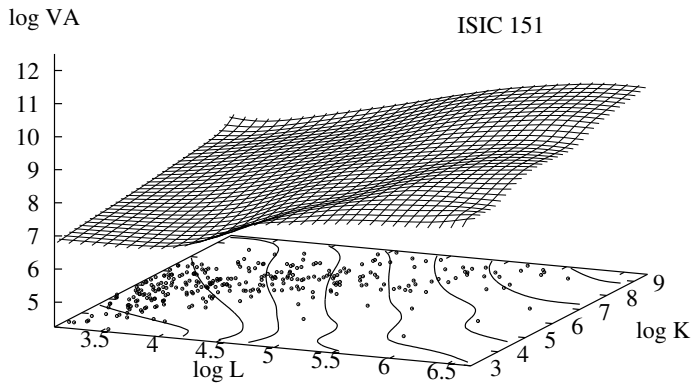
$\exp(3) \approx 20$ th. euro; $\exp(4.5) \approx 90$ th. euro

Heterog. in performances is persistent (year 2006)



$\exp(3) \approx 20$ th. euro; $\exp(4.5) \approx 90$ th. euro

Firm level heterogeneity



Implications of firm-level heterogeneity

- Interesting in itself, provide a more informative representation
- Rethinking of the standard theories. i.e. firm-level heterogeneity and firms in international trade
- Macro: implications for the aggregate? How to evaluate gains from trade?
- Measurement issues: How to measure tech change with such widespread differences across firms?
- Lack of strong selection: what implications for “selection of the fittest hp” in industrial dynamics

Firms in International Trade: from Micro to Macro

- Firms in International Trade & Exchange rates shocks
 - The role of intermediaries VS manufacturing exporters in international trade
 - Lower per-product fixed cost
 - Export share by Intern. is larger in countries with higher market costs
 - Exports to countries with large Intern share are less reactive to a RER variation (NBER, 2011; REStat 2015, ongoing)
 - Contribute to explain the incomplete ERPT puzzle
 - Higher relevance of Whol for countries with small firm bias (Italy)
- Technology and costs in international competitiveness
 - Patents and investments do matter, more relevant for the *intensive* (volumes) than the *extensive* (selection) margin
 - Wages: capture more differential skills (even controlling for labour productivity). Overall, not a hindrance to export strategy.
 - Product innovation is more relevant than process innovation in determining firms export success (ResPol 2015)
- Productivity sorting into export and import
 - Indirect (and direct) exporters and importers (RoWE Forthcoming)
 - Effects of ource-country characteristics on different modes of trade

Empirical Industrial Organization

- Intra-industry firm heterogeneity
 - Performance of firms within narrowly defined industries is persistently different (Riv Pol Econ, 2005; ICC 2006)
 - Export activities are also related to firms' differences: Exporters are bigger, more productive, pay higher wages
 - Italian specificity: on average, growth rates of exp and non-exp are not distinguishable (J. Ind Comp Trade, 2012)
- Industrial dynamics
 - Firm Growth and productivity growth (Physica A, 2005)
 - Reallocation of market share (Small Business Econ, 2012)
 - Firm exit: Financial and economic determinants of firm default (J. of Evolutionary Economics, 2011)
- Size-wage premium (Cambridge J. Econ, 2010; Bulletin Econ Research, 2014)

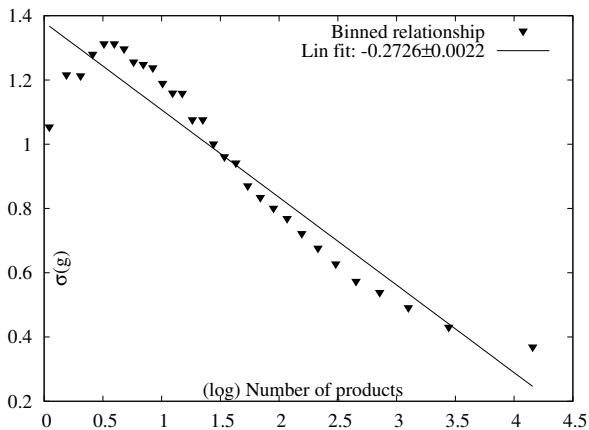
Sources of firm level heterogeneity: theoretical and measurement issues

- Measurement issues
 - How to measure firm heterog when firms are different over several dimensions?
 - How does heterog vary over time?
 - How to measure tech. change in presence of heterog? (J. Industrial Econ, forthcoming)
- Investment in tangible assets
 - Propose a new method to identify inv. spike which corrects for size-inv. relation
 - Improvements in firm performance, but less so in Italy (Empirical Economics forthcoming)
- Underlying knowledge bases
 - Firms' performance are persistently different
 - Difference in the underlying knowledge bases is related to observed differences in performance (ICC 2006; Cambridge J Econ, 2010; CUP Chapter, 2013)
- Patterns of diversification as shaped by different bases of knowledge
 - Matching of firm-level, product-level (custom data) and patent data
 - New methodology to link the patent to relevant product(s)
 - Study coherence in diversification both in terms of patents and products (LEM WP, 2015/05)

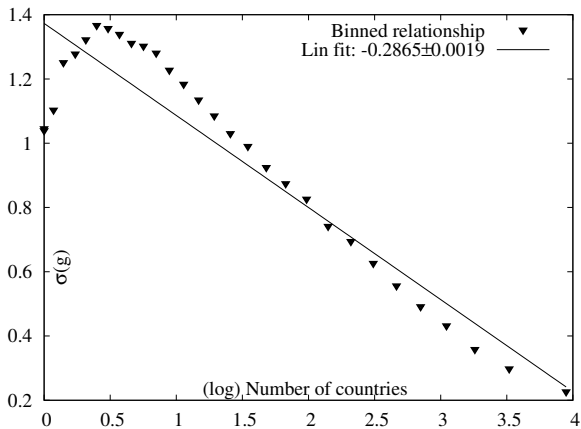
Ongoing and future research

- Export and firm diversification (Grazzi & Moschella)
- Persistence of profits in the long run (Grazzi et al.)
- Entrepreneurship: the case of born-global firms (Grazzi & Moschella, LEM WP 2016/07)
- Coordination of a project on French firm-level data (INSEE): Commerce, technologie et dynamique d'emploi (joint with Moschella, Treibich, et al)
- Industrial dynamics and institutional change: the case of China (WP)
 - Role of institutions: State and Collective Vs Foreign and Private
- Export and productivity sorting in developing economies (India)
 - The role of “learning” in developing countries
- Software development for the zonotope project (JIndEc article)
 - R (Open Source) and Stata (proprietary) packages

Volatility and product diversification: binned relationship



Volatility and country diversification: binned relationship



Terza Missione

- Articles on non-scientific journals
 - Dictionary-Encyclopedia
 - ItalianiEuropei
- Non-academic invited talks
 - Notre Dame University
 - Sant'Anna Science Cafe'
 - Camaldoli
 - Summer School of "school of Excellence network" (Normale, Sant'Anna)''
- Business Angel activities, joint with other Sant'Anna Alumni

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