

ANDREA MARIO LAVEZZI
CURRICULUM VITAE
(Updated May 2018)

PERSONAL

Andrea Mario Lavezzi
Born in Crema (CR) Italy, May 12, 1970.
Citizenship: Italian
Married, one son (Leo)

AFFILIATION

Professor of Economics (*tenured*)
Dipartimento di Giurisprudenza (DiGi)
Sezione: *Diritto e Societa'*
University of Palermo
Piazza Bologni 8, 90134 Palermo, Italy
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DEGREES/RESEARCH ACTIVITY/EMPLOYMENT

- September 2016 – present: Professor of Economics, University of Palermo (Italy)
- September 2006 – September 2016: Associate Professor of Economics, University of Palermo (Italy)
- January 2004 – August 2006: Lecturer, Department of Economics, University of Pisa (Italy).
- October 1999 – December 2003: Research Fellow, Department of Economics, University of Pisa (Italy).
- May-November 1999: research assistant, Department of Economics, University of Siena (Italy).
- April 1999: Ph.D. in Economics, University of Siena (Italy).
- November 1994: B.Sc. (*Laurea*) in Economics, Bocconi University, Milan (Italy).

VISITING POSITIONS

- Visiting scholar (*Jemolo Fellow*), Nuffield College, University of Oxford (UK), May-June 2016
- Visiting scholar, Department of Sociology, University of Oxford (UK), May 2014
- Visiting scholar (*Jemolo Fellow*), Nuffield College, University of Oxford (UK), January-March 2011
- Visiting scholar, University of California, Irvine (USA), April 2010
- Visiting scholar, New School University, New York (USA), September-December 2002
- Visiting graduate student, Balliol College, University of Oxford (UK), January-June 1997

RESEARCH INTERESTS

Economic Development, Economics of Organized Crime, Social Networks, Social Dynamics, Economics of Migrants' Smuggling

PUBLICATIONS

- In journals:

- "Resisting the Extortion Racket: an Empirical Analysis", (2018) (with M. Battisti, L. Masserini, and M. Pratesi), (2018), forthcoming, *European Journal of Law and Economics*
- "World Interest Rates and Inequality: Insight from the Galor - Zeira Mode" (2018) (with M. Battisti and T. Fioroni) (2018), forthcoming, *Macroeconomic Dynamics*
- "Does EU Cohesion Policy work? Theory and evidence" (2018), (with D. Fiaschi and A. Parenti) *Journal of Regional Science* 2018; 58: 386–423.
- "Organised Crime and the Economy: a Framework for Policy Prescriptions" (2014), *Global Crime* 15, 164-190.
- "Transitions Out of Unemployment: the Role of Social Networks' Topology and Firms' Recruitment Strategies" (2011) (with N. Meccheri) *Metroeconomica* 62, 24-52.
- "Economic Structure and Vulnerability to Organised Crime: Evidence from Sicily" (2008), *Global Crime* 9, 198-220.
- "Productivity Polarization and Sectoral Dynamics in European Regions" (with D. Fiaschi) (2007), *Journal of Macroeconomics* 29, 612-637.
- "Appropriate Technology in a Solovian Nonlinear Growth Model" (with D. Fiaschi) (2007), *Oxford Review of Economic Policy* 23, 115-133.
- "Nonlinear Economic Growth: Some Theory and Cross-country Evidence" (with D. Fiaschi) (2007), *Journal of Development Economics* 84, 271-290.
- "On High-Skill and Low-Skill Equilibria: a Markov Chain Approach" (2006) *Metroeconomica*. 57, 121-157.
- "Nonlinear Growth in a Long-Run Perspective" (with D. Fiaschi) (2004), *Applied Economics Letters* 11, 101-104.
- "Distribution Dynamics and Nonlinear Growth" (with D. Fiaschi) (2003), *Journal of Economic Growth* 8, 379-401.
- "Smith, Marhall and Young on Division of Labor and Economic Growth" (2003), *European Journal of the History of Economic Thought* 10, 81-108.
- "Investment-Productivity Dynamics and Distribution Dynamics in a Multisector Economy: Some Theory and an Application to Italian Regions" (2003), *Structural Change and Economic Dynamics* 14, 185-211.
- "Segmentazione del mercato del lavoro ed acquisizione di capitale umano: un'applicazione delle catene di Markov" (2001), (*Labor Market Segmentation and Human Capital Acquisition: an Application of Markov Chains*), *Studi Economici* 73, 103-129.

- In books:

- “Socio-economic inequalities and Organized Crime: an Empirical Analysis” (with M. Battisti, G. Bernardo, A. Kostantinidi and A. Kourtellos) (2018), forthcoming in: D. Weisburd, E. Savona, B. Hasisi, and F. Calderoni (Eds.) *Understanding Recruitment to Organized Crime and Terrorism: Social, Psychological and Economic Drivers*, Springer.
- “Migrant Smuggling Across the Mediterranean: An Economic Analysis” (with E. Quinn) (2018), forthcoming in C. Gualtieri (Ed.) *Migration and the Contemporary Mediterranean. Shifting cultures in 21st-century Italy and Europe* ('Race and Resistance Across Borders in the Long 20th Century' Series), Peter Lang
- “Smithian Growth and Complexity” (2016), in *Economic Theory and Its History*, H. D. Kurz, G. Freni, A.M. Lavezzi, R. Signorino (Eds.), Routledge
- “Growth Volatility and the Structure of the Economy” (2011), (with D. Fiaschi), in *Frontiers of Economic Growth and Development*, O. De La Grandville (Ed.), Emerald
- “Struttura economica e vulnerabilità al crimine organizzato in Sicilia” (2008) (*Economic Structure and Vulnerability to Organized Crime in Sicily*), in A. La Spina (ed.), “I costi della criminalità. Mafia ed estorsioni in Sicilia”, Il Mulino.
- “A Note on Symmetry in Job Contact Networks” (2007) (with N. Meccheri), in A. Consiglio (ed.), *Artificial Markets Modeling*, Springer.
- “Growth Volatility Indices” (2006) (with D. Fiaschi), in A. Namatame, T. Kaizouji, Y. Aruka (eds.), “The Complex Networks of Economic Interactions. Essays in Agent-Based Economics and Econophysics”, Springer.
- “Job Contact Networks, Inequality and Aggregate Output” (2005) (with N. Meccheri), in N. Salvadori and R. Balducci (eds.), *Innovation, Unemployment and Policy in the Theories of Growth and Distribution*, Elgar.
- “An Empirical Analysis of Growth Volatility: a Markov Chain Approach” (2005) (with D. Fiaschi), in J. Leskow, M. Puchet, L. F. Punzo (eds.), *New Tools of Economic Dynamics*, Springer.
- "Division of Labour and Economic Growth: Paul Romer's Contribution in an Historical Perspective" (2003), in Salvadori, N. (ed.), *Growth Theory: a 'Classical' Perspective*, Elgar.

WORKING PAPERS

- “On the Determinants of Distribution Dynamics” (with D. Fiaschi and A. Parenti) (2013), *Discussion Papers del Dipartimento di Scienze Economiche - Università di Pisa*, n. 165.
- “An Empirical Analysis of Growth Regimes” (with M. Marsili) (2010).
- "Complex Dynamics in a Simple Model of Economic Specialization" (2003), *Discussion Papers del Dipartimento di Scienze Economiche - Università di Pisa*, n. 2.
- “On the Determinants of Growth Volatility: a Nonparametric Approach” (with D. Fiaschi) (2003), *Discussion Papers del Dipartimento di Scienze Economiche - Università di Pisa*, n. 2

WORK IN PROGRESS (from more to less advanced projects)

- “Social Interactions and Crime Prevention” (with M. Battisti, Un. Palermo; S. Durlauf, Un. Wisconsin; A. Kourtellos, Un. Cyprus)

Abstract: we aim to study the role of social interactions in the fight against organized crime using a unique firm-level dataset. We investigate the role of social influences in the decision of firms in Palermo to claim resistance to the extortion or protection racket by joining the Palermo-based NGO *Addiopizzo (AP)*. We will develop a general econometric framework for evaluating the role of social interactions in the decision of firms to join AP along the lines of Brock and Durlauf (RES 2001), and we will test the direct predictions of theory on adoption curves and social interactions by identifying patterns in the data that are consistent with the presence of social interactions as in Brock and Durlauf (JEEA, 2010). Finally, we will investigate the effect of social interactions on various firms’ outcome variables such as sales and size of the firm. This analysis will reveal crucial information on the dynamics of social mobilization against organized crime that has been largely ignored in the literature, as noted by Lavezzi (GC, 2014).

- Mafia organization and housing prices inequality: empirical evidence (with M. Battisti, G. Bernardo, G. Maggio) (coming soon)

Abstract: In this work we assess the role of a specific type of organized crime in influencing choices on where living within the city territory, and consequently, inequality in house prices. More specifically, we test how organized crime killing may influence house pricing behaviors. Firstly, we show evidences about how organized crime is associated with higher inequality of housing prices for Italian cities in 2011. Then, by collecting and geo referencing data on the city of Naples for the period 2003-2016, we test for the direct influence of homicides on the relevant territory, as on the neighbouring districts. Results show a negative and significant impact of killing on the house prices either for sales or for rents and a positive effect in neighboring district, driving increases in within-city inequality.

- “Social and Spatial Network Analysis of Cosa Nostra” (with M. Battisti and R. Musotto) (coming soon)

Abstract: In this paper we propose an analysis of the internal structure of the Sicilian Mafia. We do so by applying social and spatial network analysis to an original dataset on a network of Cosa Nostra members. The aim is to clarify the structure of Mafia-type organizations, where spatial network analysis highlights novel aspects on how such a criminal group manages to pervade a geographical area and on the determinants of the phenomenon. Previous work has proposed a SNA of organized crime or other criminal networks. However, none of the existing works have analyzed organised crime in a spatial network context, in particular focusing on Cosa Nostra. No previous work has highlighted the internal structure of a Mafia group along with the geographical pattern of connections across members belonging to different *mandamenti*, as it is done here. We find that the spatial location of the members affects the their position in the network

- “Extortion, Firms' Size and the Sectoral Allocation of Capital” (with L. Balletta, Un. Palermo) (coming soon).

Abstract: extortion of firms is a typical activity of organized crime such as Mafia. We develop a simple principal-agent model to find the Mafia's optimal extortion as a function of firm's observable characteristics, specifically firm's size. We test the predictions of the model on a unique dataset on extortion in Sicily, the Italian region where Mafia is most active. Our empirical findings show that: i) extortion moderately increases with firm's size; ii) extortion is *regressive*: the average extortion rate ranging from approximately 40% of operating profits for small firms to 2% for large firms; iii) extortion turns average cost function decreasing, therefore influencing market competition; iv) Mafia taxation is very different from State taxation. We find that the latter is less regressive and that the average tax rate on small firms is lower.

- “Organized Crime, Corruption and Poverty Traps” (with T. Fioroni, Un. Verona and G. Trovato, Un. “Tor Vergata” Rome) (coming soon)

Abstract: in this paper we study the relationship between economic development, corruption and organized crime. Stylized facts from Italian regions show that the less developed regions are characterized by the highest levels of corruption and of penetration by criminal organizations. In this paper we present a growth model in which organized crime aims at grabbing public spending by corrupting (and threatening) officers who supervise the allocation of public funds. We identify the conditions for the existence of multiple equilibria, including a low income/high corruption/high crime trap, consistent with the stylized facts. In the

empirical analysis we adopt a finite mixture density approach to identify growth regimes determined by corruption and organized crime.

- “The Costs and Benefits of Resisting the Extortion Racket” (with M. Battisti, Un. Palermo; T. Fioroni, Un. Verona; L.Masserini and M. Pratesi, Un. Pisa)

Abstract: extortion of firms is a typical activity of organized crime such as Mafia. However, some firms may decide to refuse the extortionary claims. Does this choice pay off in economic terms? The decision to resist the extortion racket may bring benefits, such as saving on extortion payments, increasing revenues and profits (if responsible consumers increase their purchases in these shops). It may, however, also raise costs: for example interest rates if banks perceive the decision as increasing firm's risks, or operating costs if the firm exits the mafia-controlled economic network. We empirically address this question by utilizing propensity-scores matching techniques on a unique database including the firms that joined "Addiopizzo", an anti-mafia NGO of Palermo (Sicily) supporting firms that refuse to pay the Mafia, and a control group of non-joiners.

CONFERENCES/SEMINARS

- Workshop on Human Trafficking and Smuggling: Issues, Perspectives and Challenges, Palermo (March 2018)
- 57th Annual Meeting of the Italian Economic Society, Milano, (October 2016)
- “VIII Applied Economics Workshop”, Petralia (July 2016)
- “Old and New Forms of Organised and Serious Crime: between the Local and the Global”, Napoli (Dicembre 2015)
- University of Pisa, (September 2015)
- “VII Applied Economics Workshop”, Petralia (July 2015)
- “CICSE Lectures on Economic Growth and Development”, Naples, (July 2015), (poster presentation)
- University of Pisa, (March 2015)
- 55th Annual Meeting of the Italian Economic Society, Trento, (October 2014)
- University of Cyprus (April 2014).
- University of Rome “Tor Vergata” (November 2013), CEIS Seminars.
- "30th Annual Conference of the European Association of Law and Economics" (EALE 2013), Warsaw, Poland (September 2013).
- “Growth, Dynamics and Structural Change”, Livorno (September 2013).
- “V Applied Economics Workshop”, Petralia (July 2013)
- “Workshop on Growth and Macro”, University of Rimini (May 2013).
- “Workshop on Economic Growth”, University of Palermo (November 2012).
- University of Oxford (March 2012), talk at *Fonderia Oxford*
- University of California, Irvine, USA, (April 2010).
- University of Palermo (March 2010).
- “Poverty Traps: an Empirical and Theoretical Assessment”, Naples (October 2009).
- “International Workshop on Network Science” (NETSCI09), Venice (June 2009).
- University of Naples, “Parthenope” (April 2009).
- University of di Palermo (April 2009).
- University of Oxford, UK, (February 2009).
- LUISS University, Rome (December 2008).
- "5th European Conference on Complex Systems", Jerusalem, Israel (September 2008).
- University of Naples, “Parthenope” (July 2008).
- University of Palermo (February 2008).
- University of Cagliari (May 2007).
- “Second Italian Congress of Econometrics and Empirical Economics”, University of Bologna, Rimini Campus, (January 2007).
- “Dynamics, Economic Growth and International Trade (DEGIT 2006)”, Jerusalem, Israel (June 2006).
- “Workshop on Spatial Econometrics and Statistics”, Rome, (May 2006).
- “Annual Meeting of the American Economic Association”, Boston, USA (January 2006).
- “7th INFER Annual Conference. Regional Economics: New Challenges for Theory, Empirics and Policy”, London, UK (October 2005).
- "11th International Conference of Computing in Economics and Finance (CEF 2005)", Washington D.C., USA (July 2005).
- “Knowledge and Regional Economic Development”, Barcelona, Spain, (June 2005).
- “School and Workshop on Structure and Function of Complex Networks”, Abdus Salam International Centre for Theoretical Physics, Trieste, (May 2005).
- University of Pisa (May 2005).

- Humboldt University, Berlin, Germany, (January 2005).
- “First Italian Congress of Econometrics and Empirical Economics”, Università Cà Foscari, Venezia, (January 2005).
- “Workshop on Industry and Labor Dynamics. The Agent-based Computational Economics Approach” (WILD@ACE 2004), Moncalieri (TO), (December 2004).
- University of Pisa (November 2004).
- 45th Annual Meeting of the Italian Economic Society, Bologna, (October 2004).
- "New Economic Windows 2004: Complexity Hints for Economic Policy" (NEW 2004), Salerno, (September 2004).
- "Mathematical Models Applied to the Biological Sciences, Economics, and Complex Systems", Grosseto, (July 2004).
- “10th International Conference of Computing in Economics and Finance” (CEF 2004), Amsterdam, The Netherlands (July 2004).
- “Economic Growth and Distribution”, Lucca, (June 2004).
- University of Palermo (April 2004), seminar on "Introduction to the Economics of Intellectual Property".
- "Workshop on Economic Growth and Distribution", University of Padua (March 2004).
- School of Oriental and African Studies, University of London, UK (March 2004).
- University of Milan - Bicocca (December 2003).
- University of Pisa (November 2003).
- “9th International Conference of Computing in Economics and Finance” (CEF 2003), Seattle, USA (July 2003).
- “Workshop on Economics with Heterogeneous Interacting Agents” (WEHIA 2003), Kiel, Germany (May 2003).
- “Third workshop on 'New Tools for Qualitative Analysis in Economic Dynamics’”. CIMAT, Guanajuato, Mexico (October 2002).
- “Workshop on Economics with Heterogeneous Interacting Agents” (WEHIA 2002), Trieste, (May 2002), poster presentation.
- “Innovation and Growth: New Challenges for the Regions”, Sophia-Antipolis, France (January 2002).
- “42nd Annual Meeting of the Italian Economic Society, Rome, Accademia Italiana dei Lincei (October 2001).
- “Old and New Theories of Growth: an Assessment”, Pisa, (October 2001).
- “Workshop on the Role of Interactions in the Economy”, University of Teramo (May 2001).
- University of Bologna (March 2001).
- University of Pisa (January 2001).
- “First workshop on 'New Tools for Qualitative Analysis in Economic Dynamics’”, University of Siena (December 2000).
- “Workshop on Classical Themes in Modern Growth Theories: First Results”, Istituto di Studi Filosofici di Napoli, (November 2000).
- “II Congreso Latinoamericano de Teoria Economica”, San Luis, Argentina, (September 2000).
- University of Pisa (March 2000).

RESEARCH NETWORKS

I have been member of the following research groups, recipients of financial support by the Italian University Ministry and the European Commission. I specify the additional tasks performed, besides research activity:

- “Modelling the PRocesses leading to Organised crime and TerrOrist Networks (PROTON)”, Horizon 2020. Activities: scientific coordinator of the Palermo research unit (*Innovative study of the economic factors: socio-economic inequalities and OC involvement*).
- “Structural Change and Growth” (PRIN 2009). Coordinator: Prof. Neri Salvadori (University of Pisa). Activities: scientific coordinator of the Palermo research unit (*Structural Change and the Illegal Economy*); member of the organizing committee of the final international conference.
- “Economic Growth: Social and Institutional Dynamics” (COFIN 2005). Coordinator: Prof. Neri Salvadori (University of Pisa). Activities: member of the organizing committee of the final international conference.

- “Financial Fragility and Technological Progress with Heterogeneous Agents and Social Interaction: models, simulations and empirical analyses” (COFIN 2004). Coordinator: Prof. Domenico Delli Gatti (Università Cattolica del Sacro Cuore, Milan).
- "Growth and Income Distribution" (COFIN 2002). Coordinator: Prof. Neri Salvadori (University of Pisa). Activities: member of the organizing committee of the final international conference.
- "New tools for the Qualitative Analysis of Economic Dynamics" (COFIN 2000). Coordinator: Prof. Lionello F. Punzo (University of Siena).
- “Classical Themes in Modern Growth Theory” (COFIN 1999). Coordinator: Prof. Neri Salvadori (University of Pisa). Activities: member of the organizing committee of the final international conference.

SUPERVISION

- Completed

- Dr Thomas Bassetti. Current employment: Associate Professor of Economics, University of Padua, Italy. Ph.D. in Economics, University of Pisa, Italy, 2007. Title of dissertation: “Essays on Human Capital and Economic Growth”.
- Dr. Tamara Fioroni, Current employment: Assistant Professor of Economics, University of Verona, Italy. Post-Doc, University of Palermo, Italy, 2009-2011. Title of project: “Multiple Regimes in Economic Growth: Theory and Empirical Analysis”
- Dr. Roberto Musotto, Current employment: post-doc University of Leeds. Ph.D in Economics, University of Messina, Title of dissertation: “Social and Spatial Network Analysis of Organized Crime”

- Current

- Eileen Quinn, Ph.D in Human Rights, University of Palermo: “The market of migrant smuggling from Africa to Southern Italy since 2011: Filling the knowledge gap as a human rights’ strategy”
- Giorgio Tortorici, Ph.D in Human Rights, University of Palermo: “The ratification of Human Rights Treaties: an Economic Analysis”

TEACHING

- Undergraduate

- “Economics – Analysis of Migration “Corso di Laurea Magistrale in Giurisprudenza (Bachelor degree in Law)”, University of Palermo (Agrigento Campus): 2015.
- “Economics (Microeconomics and Macroeconomics)”, “Corso di Laurea Magistrale in Giurisprudenza (Bachelor degree in Law)”, University of Palermo: 2006-present.
- Economics I (Microeconomics), Faculty of Economics, University of Pisa: 2006.
- “Economics of Information”, “Corso di Laurea in Comunicazione pubblica, sociale e d'impresa (Bachelor degree in Public, Social and Business Communication)”, University of Pisa: 2005.
- “Economics (Macroeconomics)”, “Corso di Laurea in Comunicazione pubblica, sociale e d'impresa (Bachelor degree in Public, Social and Business Communication)”, University of Pisa: 2004.

- Classes of Economics I (Microeconomics), Faculty of Economics, University of Pisa: 2004-2006.
- Teaching Assistance in Economics I, Faculty of Economics, University of Pisa: 2001-2004.

- Graduate

- "Applied Economic Growth", International Doctoral Programme in Economics, Scuola Superiore S. Anna, Pisa: 2013
- "Introduction to the Economics of Organized Crime"
 1. "Master in Analysis, Prevention and Contrast of Organised Crime and Corruption, University of Pisa: 2012-2013, 2016-2017
 2. "Master of Arts in Policies for Legality and Development in the Mediterranean Area", University of Palermo: 2010
- "Cross-Country Convergence: from Theory to Empirics"
 1. "Empirics of Regional Growth", Naples: 2011
 2. Ph. D in Economics, University of Siena: 2006.
- "Introduction to the Empirical Analysis of Economic Growth"
 1. Ph. D in Economics, University of Pisa, and International Doctoral Programme in Economics, Scuola Superiore S. Anna, Pisa: 2009
 2. Ph. D in Economics, University of Pisa: 2003-2006, 2008.
- "Introduction to Development Economics", "Master of Arts in Human Rights and Conflict Management", Scuola Superiore S. Anna, Pisa: 2006-2007.
- "Introduction to Economic Theory", "Master in Innovation Management", Scuola Superiore S. Anna, Pisa: 2005.

OTHER

- Referee for: *Bulletin of Economic Research, Crime and Delinquency, Economica, Empirical Economics, Global Crime, History of Economic Ideas, International Journal of Comparative Sociology, International Review of Economics, Journal of Development Economics, Journal of Economic Growth, Journal of the History of Economic Thought, Journal of Macroeconomics, Metroeconomica, Review of Political Economy, Statistical Methods and Applications, Studies in Nonlinear Dynamics and Econometrics.*
- Editorial activity: Assistant editor: *Metroeconomica* (2004-2008); Advisory Board: *Metroeconomica* (2009-). Advisory Board: *Italian Economic Journal* (2017-)
- Summer School in Econometrics: Centro Interuniversitario di Econometria (CIDE), Bertinoro (FO), September 1996.
- Summer school in: "Markov Models of Evolution, Growth and Adaptation in the Economy" (Prof Y. Kaniovski), University of Trento, September 1999.
- Summer School in Econometrics: Centro Interuniversitario di Econometria (CIDE), Bertinoro (FO), Italy, June 2001. "Econometric Issues in the Study of Inequality and Growth" (Prof. S. Durlauf); "Quantitative Macroeconomics: Analyzing Business Cycles" (Prof. M. Ravn).
- Participation to the "Thematic Institute of the Complex Systems Network of Excellence (EXYSTENCE) on Networks, Dynamics and Socio-Economics" (May 13 - June 1, 2002), ICTP Trieste, Italy.
- Summer School in Econometrics: Centro Interuniversitario di Econometria (CIDE), Bertinoro (FO), Italy, June 2004. "Applied Nonparametric Methods" (Prof. W. Härdle); "Econometrics of Structural Change and Threshold Models" (Prof. B. Hansen).
- Member of CICSE, *Centro Interuniversitario Crescita e Sviluppo Economico* (Interuniversity Center for the Study of Economic Growth and Development)
- Member of the International Relations Commission of the Italian Society of Economics (*Societa' Italiana degli economisti*): February 2014-present
- Foreign languages: English: fluent; French: intermediate; Spanish: elementary.