ECON 1029 - Economics of Crime: Theory and Lessons to and from the Latin America (Fall 2016)

João Manoel Pinho De Meeting : Friday 2:00 p.m. Mello – 5 p.m.

joaompm@insper.edu.br Office hours (M-6 Littauer): Friday 5:00 p.m. \hat{a} €" 7 p.m.

Introduction

The recently released ranking by the Mexican NOG *Consejo Ciudadano para la Seguridad Publica y Justicia Penal* shows that Latin America hosts 41 out of the 50 most violent cities in the World. Crime is both a cause and a consequence of under-development in Latin America. This class focuses on the determinants of crime and its consequences, with emphasis, but not exclusively, on Latin America. The course covers both theory and empirical evidence. The course navigates through economic theory and Law and Economics. But the focus is on rigorous empirical methods and results. Topics include: incarceration, incapacitation, recidivism, guns and crime, violence in illegal markets, substance abuse and crime, labor market and crime, and policing. Besides learning different aspects of crime in Latin America and elsewhere, students will receive training in causal estimation in social sciences.

Evaluation

The grade has four components: a final exam (40%), class participation (20%) and a project (40%). Class participation includes discussions and, more specifically, participation in class debates. The final project is a short paper or a critical report on an article. Because this class counts towards writing requirements, the final project has to written piece (between 15 and 20 pages, including figures and tables).

Method

I will hold both traditional lectures and more interactive sessions. I will assume students will read the material assigned for the class in advance so that we can hold productive discussions. Discussions in class will count towards the participation grade (this includes debates on topics proposed below).

Notes

For most classes I will have PowerPointÂ@ lecture notes which I will make every effort to make available the eve of class. The syllabus is somewhat tentative. I could make small modifications throughout the semester. I will post updated versions.

Reading

The course requires quite a lot of reading. A tentative reading list is below. Items marked with * are mandatory (meaning will be object of discussion in class). Unmarked marked are optional, but highly recommended. Sometimes I cover in class unmarked items that are a bit too technical.

Prerequisites

This is an advanced undergraduate class. I will hold a somewhat high-level technical discussion. Knowledge of microeconomics (ECON 1010A level), and econometrics (ECON 1123 level) will make the class much more enjoyable. Most of the material covered will presuppose the abovementioned level of microeconomics and econometrics.

Class Plan and Reading List

Lecture 1 (09/02). Introduction to the course. Economics of Law: basic theory. Discussion: is a high enough fine enough?

Reading: *Polinsky (2011, chapters 2, 3, 10 and 11); *The Economist (2012);

Becker (1974).

Lecture 2 (09/09). Economics of Crime: basic theory. The problem with measuring crime. An introduction to international crime comparisons. Crime and violence: Latin American exceptionalism? Big swings in crime: the US and (some) Latin American successes.

Reading: *Becker (1974); Soares (2004). Di Tella, Edwards and Schargrodsky (2010); Naritomi and Soares (2010); *Levitt (1999).

Lecture 3 (09/16). Demography and Crime

Reading: Levitt (1999); *De Mello and Schneider (2010); Zimring (2007). *Chevalier and Marie (2015).

Lecture 4 (09/23). Drugs and violence. Theory. Drug (ab)use and crime. Drug-related gang violence.

Reading: *Becker, Muphy and Grossman (2004). Goldstein (1985) *Adda, McConnel and Rasul (2014); Dell (2015); *Biderman, De Mello and Schneider (2010). Biderman et al (2016)

Lecture 5 (09/30). Transnational drug trade. Policy debates: repression and taxation.

Readings: Dell (2015); *MejÃa, Restrepo and Rozo (2015). Cook and Durrance (2013).

Debate on Legalization. Proposed topics:

- Contrast of models: Marijuana Legalization in Colorado and Uruguay
- Reducing damages within the prohibition paradigm or legalizing?

Lecture 6 (10/07). Policing. The identification problem. The electoral cycle instruments and its problems. Exploring quasi-natural experiments (the problem with instruments). Hotspot policing and Experiments

Reading: Levitt (1997); *McCrary (2002); Levitt (2002); *Di Tella and Schargrodsky (2004).

Lecture 7 (10/14). Policing continued. The problem with instruments and experimentation. Displacement. Police response.

Reading: *Deaton (2010). González Navarro (2013); *Blanes i Vidal and Kirchmaier (2016). Weisburd and Green (1995).

- Debate: Can we be smarter in policing?

Lecture 8 (10/21). Incarceration and Recidivism. Theory. The identification problem. The judges' instrument.

*Di Tella and Schargrodsky (2013); *Green and Winik (2010).

Beyond Utilitarianism: the moral obligations of the criminal justice (vengeance against recovery)

Lecture 9 (10/28). Incarceration and sentencing: incapacitation versus deterrence. Theory. Identification issues. Evidence.

Readings: *Buonnano and Raphael (2013); *Klesser and Levitt (1999); Drago et al (2009). Jonhson and Raphael (2012).

Lecture 10 (11/04). Firearms. Theory: the deterrence and the lethality hypotheses. Measurement Issues. Evidence. The Shall Issue Concealed Weapons Controversy. Evidence from Latin America.

Readings: Duggan (2001); * Manski and Pepper (2015); *Dube et al (2013); Cerqueira and De Mello (2016).

Lecture 10 (11/11). Economic conditions and crime in Latin America and Brazil: an exploration of recent data. The complicated relationship between inequality and crime.

Readings: lecture notes.

Lecture 10 (11/18). Economic conditions and crime: the complicated relationship between inequality and crime. Income and Crime. Cash Transfer Programs and Crime.

*Di Tella et al (2010); *Fajnzylber et (2002); *Foley (2011); *Chioda et (2016).

Lecture 11 (12/02). Labor markets and Crime. Education and Crime.

Readings. Carneiro et al (2016); *Raphael, S. and R. Winter-Ebmer (2001); *Locher and Moreti (2004).

References

- Adda, J., B. McConnel and I. Rasul. 2014. "Crime and the Depenalization of Cannabis Possession: Evidence from a Policing Experiment, " *Journal of Political Economy*, 122(5), 1130 1202. <u>Available as a LSE working paper version.</u>
- Becker, G. 1974. "<u>Crime and Punishment: An Economic Approach</u>,†in: *Essays in the Economics of Crime and Punishment*, Becker and Landes, editors, NBER.
- Becker, G., K. Murphy and M. Grossman. 2004. "The Economic Theory Of Illegal Goods: The Case Of Drugs,†NBER Working Paper Series 10976.
- Biderman, C. J. De Mello and A. Schneider. 2010. "Dry Laws and Homicides: Evidence from the São Paulo Metropolitan Area,†*Economic Journal*, 129, 157 182. Available from Wiley from campus.
- Blanes i Vidal, J. and T. Kirchmaier. 2016. "<u>The Effect of Police Response Time on Crime Clearance</u> Rates,†Discussion Paper, London School of Economics and Political Science.
- Buonanno, P. and S. Raphael. 2013. "<u>Incarceration and Incapacitation: Evidence from the 2006 Italian</u> Collective Pardon,†*American Economic Review*, 103(6), 2437-2465.
- Carneiro, R., Soares, R. and Ulyssea, G. 2016. *Journal of Political Economyclasssea, G. 2016. emester. I will post updated versions.ring technical and I will cover it in clas* $\hat{a} \in \underline{\text{Local Labor Market Conditions and Crime: Evidence from the Brazilian Trade Liberalization}, \hat{a} \in IZA$ Discussion Paper No. 9638.
- Chevalier, A. and O. Marie. 2015. "Economic Uncertainty, Parental Selection, and Children's Educational Outcomes,†Forthcoming at *Journal of Political Economy*. Available as <u>IZA DP No. 9004</u>.
- Chioda, L., J. De Mello and R. Soares. 2016. "<u>Spillovers From Conditional Cash Transfer Programs:</u> Bolsa FamÃlia and Crime in Urban Brazil,†Economics of Education Review, Forthcoming.
- Cook, P. C. Durrance. 2013. "The Virtuous Tax: Lifesaving And Crime Prevention
- Effects of the 1991 Federal Alcohol Tax,†*Journal of Health Economics*, 32, 261-267. <u>Available as NBER Working Paper</u>.
- De Mello, J. and A. Schneider. 2010. "<u>Assessing São Paulo's Large Drop in Homicides: The Role of Demography and Policy Interventions</u>,†in: *The Economics of Crime: Lessons for and from Latin America*, Di Tella, Edwards and Schargrodsky editors, University of Chicago Press and NBER.
- Deaton, A. 2010. $\hat{a} \in \mathbb{C}$ Instruments, Randomization, and Learning about Development, $\hat{a} \in \mathbb{C}$ Journal of Economic Literature, 48, 424 $\hat{a} \in \mathbb{C}$ 455.
- Dell, M. 2015. "<u>Trafficking Networks and the Mexican Drug War</u>,†*American Economic Review*, 105(6), 1738-1779
- Di Tella, R. and E. Schargrodsky. 2013. "<u>Criminal Recidivism after Prison and Electronic Monitoring,â€</u> *Journal of Political Economy*, 121(1), 28 73.
- Di Tella, R. and E. Schargrodsky. 2004. "Do Police Reduce Crime? Estimates Using the Allocation of Police Forces After a Terrorist Attackâ€, *American Economic Review*, 94(1), 115-133. Available at jstor.org.
- Di Tella, R., S. Edwards and E. Schargrodsky. 2010. "<u>Introduction</u>,†in: *The Economics of Crime: Lessons for and from Latin America*, Di Tella, Edwards and Schargrodsky editors, University of Chicago Press and NBER.
- Di Tella, R., S. Galiani and E. Schargrodsky. 2010. "<u>Crime Distribution and Victim Behavior during a Crime Wave</u>,†in: *The Economics of Crime: Lessons for and from Latin America*, Di Tella, Edwards and Schargrodsky editors, University of Chicago Press and NBER.
- Drago, Francesco, Roberto Galbiati, and Pietro Vertova. 2009. "<u>The Deterrent Effects of Prison:</u> Evidence from a Natural Experiment,†Journal of Political Economy, 117 (2), 257–80
- Dube, A., O. Dube and O. Garcia Ponce. 2013. "Cross-Border Spillover: U.S. Gun Laws and Violence in Mexico,†*American Political Science Review*, 107(3), 397 417.
- Fajnzylber, P. D. Lederman, and N. Loayza. 2002. "<u>Inequality and Violent Crime</u>â€, *Journal of Law and Economics*, 45(1), 1-40.

González Navarro, M. (2013). "Deterrence and Geographical Externalities in Auto Theft,†*American Economic Journal: Applied Economics*, 5(4), 92-110.

Green, D. And D. Winik. 2010. "Using Random Judge Assignments To Estimate The Effects Of Incarceration And Probation On Recidivism Among Drug Offenders,†*Criminology*, 48(2), 357 â€" 287.

Johnson, R. and S. Raphael. 2012. "How Much Crime Reduction Does the Marginal Prisoner Buy?†*Journal of Law and Economics*, 55, 275 – 310.

Kessler, D. and S. Levitt. 1999. "Using Sentence Enhancements to Distinguish between Deterrence and Incapacitation,†*Journal of Law and Economics*, 42: 343 -363. Available at https://ideas.repec.org/a/ucp/jlawec/v42y1999i1p343-63.html

Levitt, Steven D. 1999. "The Limited Role of Changing Age Structure in Explaining Aggregate Crime Changesâ€, *Criminology*, 37(3), 581-599.

Levitt, S. D. 1997. "Using Electoral Cycles in Police Hiring to Estimate the Effect of Police on Crime,†*American Economic Review*, 87(3), 270-290.

Levitt, S. 2002. "Using Electoral Cycles in Police Hiring to Estimate the Effect of Police on Crime: Reply,â€*American Economic Review*, 92(4), 1244-1250.

Lochner, L. and E. Moretti. 2004. "<u>The Effect of Education on Crime: Evidence from Prison Inmates.</u> Arrests, and Self-Reports,†*American Economic Review*, 94(1), 155 – 189.

Manski, C. and J. Pepper. 2015. "How Do Right-To-Carry Laws Affect Crime Rates? Coping With Ambiguity Using Bounded-Variation Assumptions,†NBER Working Paper Series 21701

McCrary, Justin. 2002. "Using Electoral Cycles in Police Hiring to Estimate the Effect of Police on Crime: Commentâ€, *American Economic Review*, 92(4), 1236-1243

MejÃa, D., P. Restrepo and S. Rozo. 2015. "<u>On the Effects of Enforcement on Illegal Markets: Evidence from a Quasi-experiment in Colombia</u>,†World Bank Policy Research Working Paper 7409.

Naritomi, J. and R. Soares. 2010. "<u>Understanding High Crime Rates in Latin America The Role of Social and Policy Factors</u>,†in: *The Economics of Crime: Lessons for and from Latin America*, Di Tella, Edwards and Schargrodsky, editors, University of Chicago Press and NBER.

Polinsky, A. M. 2011. *An Introduction to Law and Economics, 4th Edition*. New York: Wolters Kluwer Law and Business.

Raphael, S. and R. Winter-Ebmer. 2001. "Identifying the Effect Of Unemployment on Crime,†*Journal of Law and Economics*, 44 (1), 259–283.

Soares. R. 2004. "Development, Crime And Punishment: Accounting For The International Differences In Crime Rates,†*Journal of Development Economics*, 73(1), 155 – 184.

The Economist (Free Exchange). Fine and Punishment, July, 21st, 2012.

Weisburd, D., and L. Green. (1995). "Policing Drug Hot Spots: The Jersey City Drug Market Analysis Experiment, †Justice Quartely, 12(4), 711-735.

Zimring, F. 2010. The Great American Crime Decline. New York: Oxford University Press.