Organización Industrial Avanzada

Programa de la asignatura 2026

Días de cursada: 3, 7, 10 y 18 de agosto; reuniones por Zoom a confirmar.

Horario: 17:00–20:00.

Lugar: Aula A

Profesor: Jorge F. Balat.

Consultas: con cita previa.

Descripción del curso

Este curso avanzado explora temas de organización industrial con un doble objetivo: estudiar herramientas econométricas avanzadas para el análisis empírico en organización industrial y analizar áreas centrales de investigación de la disciplina junto con sus aplicaciones.

Los estudiantes deberán presentar investigaciones recientes y realizar ejercicios empíricos.

El curso busca desarrollar herramientas para la investigación en organización industrial, profundizar la comprensión de la literatura especializada y contribuir al desarrollo del tema de tesis.

Requisitos de aprobación

• Leer los trabajos antes de cada clase.

• Resolver los trabajos prácticos.

• Presentar un artículo publicado o un trabajo de mercado académico.

Prohibición de compartir materiales

Los materiales del curso no podrán compartirse fuera de la asignatura sin autorización escrita. El incumplimiento constituye una falta a la integridad académica y puede dar lugar a sanciones, incluida la desaprobación del curso.

Cronograma y bibliografía

Clases 1 y 2: Estimación de funciones de producción y productividad (introducción, estrategias iniciales y métodos recientes).

Ackerberg, D., Caves, K., and Frazer, G. (2015). "Identification Properties of Recent Production Function Estimators," Econometrica, 83(6), 2411-2451.

Benkard, L. (2000). "Learning and Forgetting: The Dynamics of Aircraft Production," American Economic Review, 90, 1034-1054.

Cobb, C. and Douglas, P. (1928). "A Theory of Production," American Economic Review, 18(1), 139-165.

Evans, D. and J. Heckman (1984). "A Test for Subadditivity of the Cost Function with and Application to the Bell System," American Economic Review, 9, 615-623. (Comment and errata, AER, 1986, 9, 854-858.)

Griliches, Z., and Mairesse, J. (1998). "Production Functions: The Search for Identification." In Econometrics and Economic Theory in the Twentieth Century: The Ragnar Frisch Centennial Symposium. New York: Cambridge University Press.

Jarmin, R. (1994). "Learning by Doing and Competition in the Early Rayon Indus- try," Rand Journal of Economics, 25, 441-454.

Jovanovic, B. "Selection and Evolution of Industry," Econometrica, 50(3), 25-43.

Klette, T. and Griliches, Z. "The Inconsistency of Common Scale Estimators when

Output Prices Are Unobserved and Endogenous," Journals of Applied Econometrics, 11, 343-361.

Levinsohn, J. and A. Petrin (2003). "Estimating production functions using inputs to control for unobservables," Review of Economic Studies, 70(2), 317-342.

Lieberman, M. (1984). "The Learning Curve and Pricing in the Chemical Processing Industries," Rand Journal of Economics, 15, 213-228.

Marschak, J. and Andrews, W. (1944). "Random Simultaneous Equations and the Theory of Production," Econometrica, 12(3/4), 143-205.

Clase 3: Estimación de funciones de producción y productividad (avances y extensiones recientes).

Balat, J., Brambilla, I., and Sasaki, Y. (2022). "Heterogeneous Firms: Skilled-Labor Productivity and the Destination of Exports," working paper.

Bond, S., and Soderbom, M. (2005). "Adjustment Costs and the Identification of Cobb Douglas Production Functions," The Institute for Fiscal Studies, Working Paper Series No. 05/4.

De Loecker, J. (2011). "Product Differentiation, Multiproduct Firms, and Estimating the Impact of Trade Liberalization on Productivity," Econometrica, 79(5), 1407-1451.

De Loecker, J. (2013). "Detecting Learning by Exporting," American Economic Journal: Microeconomics, 5(3), 1-21.

De Loecker, J., J. Eeckhout, and G. Unger (2018). "The Rise of Market Power and the Macroeconomic Implications," working paper.

De Loecker, J. and F. Warzynski (2012). "Markups and Firm-Level Export Status,"

American Economic Review, 102(6), 2437-2471.

Doraszelski, U., and Jaumandreu, J. (2013). “R&D and Productivity: Estimating Endogenous Productivity,” Review of Economic Studies, 80, 1338-1383.

Gandhi, A., S. Navarro, and D. Rivers (2020). “On the Identification of Production Functions: How Heterogeneous is Productivity?,” Journal of Political Economy, 128(8), 2973—3016.

Grieco, P., Li, S., and Zhang, H. (2016). “Production Function Estimation with Unobserved Input Price Dispersion,” International Economic Review, Vol. 57, No. 2.

Grieco, P., and McDevitt., R. (2017). “Productivity and Quality in Health Care: Evidence from the Dialysis Industry,” Review of Economic Studies, 84, 1071— 1105.

Kasahara, H., Schrimpf, P., and Suzuki, M. (2017). “Identification and Estimation of Production Function with Unobserved Heterogeneity,” working paper.

Lee, J., McCullough, J., and Town, R. (2013). “The Impact of Health Information Technology on Hospital Productivity,” RAND Journal of Economics, Vol. 44, No. 3, pp. 545–568.

Pavcnik, N. (2002). “Trade Liberalization, Exit, and Productivity Improvements: Evidence From Chilean Plants,” Review of Economic Studies, 69(1): 245-276.

Syverson, C. (2004). “Market Structure and Productivity: A Concrete Example,” Journal of Political Economy, 1181-1222.

Van Biesebroeck, J. (2003). “Productivity Dynamics with Technology Choice: An Application to Automobile Assembly,” Review of Economic Studies, 70: 167-198.

Clase 4 y 5: Introducción a la estimación de la demanda.

Berry, S. (1994) “Estimating Discrete Choice Models of Product Differentiation,” RAND Journal of Economics, 25: 242-262.

Deaton, A. and Muelbauer, J. (1980) “An Almost Ideal Demand System,” American Economic Review, 70(3) 312-326.

Hausman, J., Leonard, G., & Zona, J. D. (1994). Competitive analysis with differentiated products. Annales d'Economie et de Statistique, 159-180.

Berry, S. T., and Haile, P. A. (2021). Foundations of demand estimation. In Handbook of Industrial Organization (Vol. 4, No. 1, pp. 1-62). Elsevier.

Town, R. and Liu, S. (2003) “The Welfare Impact of Medicare HMOs,” The RAND Journal of Economics, 34(4): 719-736.

Andersen, de Palma and Thisse, Discrete Choice Theory of Product Differentiation”

Hausman, J., Leonard, G., and Zona, J. D. (1994). “Competitive analysis with differentiated products,” Annales d'Economie et de Statistique, 159-180.

Working (1927) “What Do Statistical Demand Curves Show?” QJE 41 212-35

Clase 6: Modelo BLP, datos individuales y bienestar.

Berry, S., Levinsohn, J. and A. Pakes (1995) “Automobile Prices in Equilibrium, Econometrica, 63(4):841-890.

Berry, S., Levinsohn, J., and Pakes, A. (2004). Differentiated Products Demand Systems from a Combination of Micro and Macro Data: The New Car Market. Journal of Political Economy, 112

Nevo, A. (2000) “A Practitioner's Guide to Estimation of Random-Coefficients Logit Models of Demand,” Journal of Economics and Management Strategy, 9(4): 513-548.

Train, K. (2009) Discrete Choice Methods with Simulation, http://books.google.com/books?hl=en&lr=&id=4yHaAgAAQBAJ&oi=fnd&pg=PR7&ots=eDWaK9g2iw&sig=FWOMV-ovaaj4cWxkSQv2xFSMbMM - v=onepage&q&f=false

Berry, S. and Haile, P. (2014) "Identification in Differentiated Products Markets," Econometrica, 82:5: 1749-1797.

Conlon, C., and Gortmaker, J. (2020). Best practices for differentiated products demand estimation with pyblp. The RAND Journal of Economics, 51(4), 1108-1161.

Cardon, J. and Hendel, I. (2001) "Asymmetric Information in Health Insurance: Evidence from the National Medical Expenditure Survey," RAND Journal of Economics, 32: 408-427.

Berry, S., and Pakes, A. (2007). The pure characteristics demand model. International Economic Review, 48(4), 1193-1225.

Gandhi, A., and Houde, J. F. (2019). Measuring substitution patterns in differentiated-products industries. NBER Working Paper, (w26375).

Lee, J., and Seo, K. (2015). A computationally fast estimator for random coefficients logit demand models using aggregate data. The RAND Journal of Economics, 46(1), 86-102.

Dubé, J. P., Fox, J. T., and Su, C. L. (2012). Improving the numerical performance of static and dynamic aggregate discrete choice random coefficients demand estimation. Econometrica, 80(5), 2231-2267.