

# Alfonso Miranda

## Coordinates

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<i>Dirección</i>	División de Economía, Centro de Investigación y Docencia Económicas (CIDE), A.C., sede Región Centro.  Circuito Tecnopol Norte s/n, Col. Hacienda Nueva, C.P. 20313, Aguascalientes, Aguascalientes, México.
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<i>E-mail</i>	<a href="mailto:Alfonso.Miranda@cide.edu">Alfonso.Miranda@cide.edu</a>
<i>Languages</i>	Spanish (native), English, French (basic).

## Current positions

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<i>2012 – present</i>	<b>Professor of Economics</b> , Centre for Economic Teaching and Research (CIDE), México City, México.
<i>2012 – present</i>	<b>National Researcher Level II</b> , National Council of Science and Technology (CONACYT), México.
<i>2007 – present</i>	<b>Research fellow</b> <a href="#">Institute for the Study of Labor</a> (IZA), Germany.
<i>2010 – present</i>	<b>External Affiliate</b> , <a href="#">Health, Econometrics and Data Group</a> University of York, UK.

## Education

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<i>2000 – 2004</i>	<b>PhD in economics</b> , University of Warwick, UK. Thesis Title: 'An analysis of fertility behaviour in México.' Supervisors: Professor Wiji Arulampalam and Professor Mark Stewart. Examiners: Professor John Ermisch (ISER, Essex) and Dr. Jeremy Smith (Warwick).
<i>1999 – 2000</i>	<b>MSc in economics</b> , University of Warwick, UK. Dissertation Title: 'Modelling fertility using overlapping generation models: a study of the effects of capital taxation.' Supervisor: Professor Myrna Wooders.
<i>1996 – 1998</i>	<b>MA in economics</b> , Centre for Research and Teaching in Economics (CIDE), México. Dissertation Title: 'Environmental Regulation In The Context Of Two Pollution Sources'. Supervisor: Dr. Francisco Venegas Martínez.
<i>1992 – 1996</i>	<b>BSc in Economics (distinction)</b> , National Autonomous University of México (UNAM), México.

## Past positions

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- 2008 – 2012     **Lecturer in social statistics**, Department of Quantitative Social Science, Institute of Education, University of London. University, UK.
- 2004 – 2008     **Lecturer in economics**, School of Economic and Management Studies, Keele University, UK.
- 2011             **Visiting scholar**, Graduate School of Education, University of California Berkeley, USA (January).
- 2010             **Visiting scholar**, Institute for Economic Research, National Autonomous University of México (UNAM), México (September).
- 2010             **Visiting scholar**, Institute for Economic Research, National Autonomous University of México (UNAM), México (September).
- 2007             **Visiting scholar**, Department of Economics, Iberoamerican University, México (June-September).

## Research interests

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- Nonlinear econometric models for cross-section and panel data
- Health economics.
- Education economics.
- Demographic economics.
- Labour Economics.

Over the years, my research has been particularly focused in the development of strategies to deal with problems of sample selection, endogenous treatment, and endogenous participation for ordinal, count, and dichotomous variables. I have also interest in quantile regression, hazard models, generalised linear latent and mixed models, and in the development of methods to estimate non linear dynamic models.

## Publications

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- Unger-Saldaña, K., Miranda, A., Zarco-Espinosa, G., Mainero-Ratchelous, F., Bargalló-Rocha, E., Lázaro-León, J.M. (2015). Health system delay and its effect on clinical stage of breast cancer: a Multicenter Study. *Cancer* (forthcoming).
- Shehzad, A., Littlewood, E., McMillan, D., Delgadillo, J., Miranda, A., Croudace, T., Gilbody, S. (2014). [Heterogeneity in patient-reported outcomes following low-intensity mental health interventions: a multilevel analysis](#). *PLoS ONE* **9**(9).
- Miranda, A., Rabe-Hesketh, S. (2014). [Missing ordinal covariate with informative selection](#). *Journal of the Royal Statistical Society Series A* **177** (2):319–344.
- Miranda, A., Zhu, Yu (2013). [English Deficiency and the Native-Immigrant Wage Gap](#). *Economics Letters* **188** (1): 38-41.
- Miranda, A. (2013). Un modelo de doble valla para datos de conteo y su aplicación en el estudio de la fecundidad en México. En: *Aplicaciones en Economía y Ciencias Sociales con Stata, Stata Press*, Ch. 2, p. 15-46.
- Bratti M. and Miranda A (2011). [Endogenous treatment effects for count data models with endogenous participation or sample selection](#). *Health Economics* **20** (9):1090–1109.
- Miranda A (2011). Migrant networks, migrant selection, and high school graduation in México. *Research in Labor Economics* **33**: 263–306.
- Dearden L., Miranda A, and Rabe-Hesketh S (2011). [Measuring school value added with administrative data: the problem of missing variables](#). *Fiscal Studies* **32** (2): 263–278.
- Bratti M. and Miranda A (2010). [Non-pecuniary returns to higher education: the effect on smoking intensity in the UK](#). *Health Economics* **19** (8): 906-920

- Miranda A. (2008) [Planned fertility and family background: a quantile regression for counts analysis](#). *Journal of Population Economics* **21** (1): 67–81.
- Miranda A. (2006) [Are young cohorts of women delaying first birth in México?](#) *Journal of Population Economics* **19** (1): 55–70.
- Miranda A., and Rabe-Hesketh S. (2006) [Maximum likelihood estimation of endogenous switching and sample selection models for binary, count, and ordinal variables](#). *Stata Journal* **6** (3): 285–308.
- Miranda A. (2004) [FIML estimation of an endogenous switching model for count data](#). *Stata Journal* **4** (1): 40–49.
- Miranda A., and Escobedo J. (1998) La racionalización de la industria de fibras químicas. *El Mercado de Valores* **58** (9): 34–43.

## *Work in progress and papers under review*

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- Reducing bias due to missing values of the response variable by joint modeling with an auxiliary variable (with John MacDonald and Sophia Rabe-Hesketh). [DoQSS Working Paper No. 12-05](#).
- Selection endogenous dummy ordered probit and selection endogenous dummy dynamic ordered probit models (with Massimiliano Bratti, Milan).

## *Awards, grants, and scholarships*

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### **Awards**

- Gabino Barreda medal. To the best 1991–1996 BSc student in economics at the National Autonomous University of México (UNAM), campus Acatlán.
- Distinction. BSc in economics. National Autonomous University of México, 1996.
- Distinction. To the best 4th semester student in the MA in economics. Centre for Research and Teaching in Economics (CIDE), 1998.
- Distinction. MSc in economics dissertation. University of Warwick, 2000.

### **Grants**

- Cost-Effectiveness Evaluation of the Seguro Popular (PI) (USA \$113,284) (PI) (September 2012–November 2012), National Commission for Social Protection in Health, México. (Co-I Nelly Aguilera, CISS; César Velázquez, Iberoamerican U.)
- CONACYT Repatriation Grant 2012–2013 (USA \$3,800).

### **Scholarships**

- CONACYT scholarship (USA \$ 80,000 for four years). To pursue MSc and PhD in economics at the University of Warwick, 1999–2003.
- CONACYT scholarship (USA \$ 7,000 for two years). To pursue MA in economics at the Centre for Research and Teaching in Economics (Centro de Investigación y Docencia Económicas (CIDE)), 1996–1998.
- Mexican Science Academy scholarship. IV summer of research, 1994. Supervisor: Dr. Jaime Aboites Aguilar, Economics Department, Metropolitan University Xochimilco, México
- Mexican Science Academy scholarship. III summer of research, 1993. Supervisor: Antonio Yunez-Naude, Centre for Economic Studies, The College of México, México.
- Academic exchange grant. ‘The impact of demographic changes on pension systems, economic growth, and international capital markets’ (Co-investigator). British German Academic Research Collaboration Programme, 2008–2009.
- IZA conference grant. Fourth annual migration meeting (AM<sup>2</sup>), 2007. Bonn University, 2007.

## *Teaching experience*

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### **Quantitative methods**

- Statistics II. BSc in Economics core course (CIDE 2014).
- Applied Microeconometrics. MSc in Economics option module (CIDE 2013, 2014).
- Econometrics II (microeconometrics). MSc in Economics core module (CIDE 2012).
- Quantitative Methods III. MSc core module (IoE 2011).
- Event history analysis, 3 day postgraduate training course (IoE and Stirling, 2009)
- Longitudinal data analysis, 3 day postgraduate training course (IoE and Cardiff, 2009–2010)
- Economic and business forecasting (lectures and tutorials), undergraduate third year module (Keele, 2004–2005).
- Econometrics II (class tutor), undergraduate second year core module (Warwick 2002–2004).

### **Economics**

- Microeconomics I, undergraduate first year core module (Keele, 2007–2008).
- Microeconomics II, undergraduate second year core module (Keele, 2004–2006).
- Contemporary issues in economics, undergraduate second year core module (Keele 2006–2007).
- Industrial economics (class tutor), postgraduate module for students in the MA in Urban Studies (México, 1997).

### **Finance**

- Topics in applied finance, undergraduate second year core module (Keele, 2004–2008).
- Financial mathematics, MSc core module (Keele, 2005–2006).
- Quantitative methods in finance, MSc core module (Keele 2006–2007).

## *Postgraduate supervision*

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### **MSc**

- Rebeca Buendía Muñoz (2012/13). 'The effect of the Programa Nacional de Alcoholimetría on traffic accidents in Mexico'. MSc in Economics, CIDE.
- Damián Arévalo Miss (2012/13). 'Heterogeneity in the crowding out of private transfers in the program me 70 y Más'. MSc in Economics, CIDE.
- Roshnee Prayag-Bessoondial (2010/12). 'Does Prior Knowledge of Mathematics Contribute to the Performance of Economics Students at Graduation? A Study of the University of Mauritius'. Master's degree in Educational and Social Research.
- Shen Lumin (2007/08). 'Capital Asset Pricing Model For The Stock Exchange In China'. MSc in Finance and Management, Keele.
- Zhou Xizhen (2007/08). 'An Evaluation Of Weekend Effects In Daily Stock Market Returns.' MSc in Finance and Management, Keele.
- Gao Yuexin (2005/06). 'Estimating The Relationship Between Risk And Return'. MSc in Finance and Management, Keele.
- Liu Xiao Zhao (2005/06). 'Estimating The Relationship Between Risk And Return'. MSc in Finance and Management, Keele.
- Yao Fang (2005/06). 'Estimating The Relationship Between Risk And Return'. MSc in Finance and Management, Keele.
- Chen Yulei (2005/06). 'Estimates From An ARCHIGARCH Model of Stock Market Returns using Daily Data.' MSc in Finance and Management, Keele.

## *Refereeing*

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- Journal of Applied Econometrics.
- Health Economics.
- Oxford Bulletin of Economics and Statistics.
- Journal of Population Economics.
- International Migration Review.
- Labour Economics.
- Journal of the Royal Statistical Society.
- Review of the Economics of the Household.
- Biometrical Journal
- Research in Labor Economics.
- Communications in Statistics.
- Stata Journal.
- Latin America Economic Review.
- El Trimestre Económico.

## *Conference presentations*

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- XIX European association for population economics conference, Aarhus, Denmark, June. 2013.
- Border Economic Development and Entrepreneurship Symposium (BEDES) 2012, Texas, USA (Nov.)
- 2011 Mexican Stata Users Group Meeting, México City, México (May).
- European Workshop on Econometrics and Health Economics, Lausanne, Switzerland, Sept. 2010.
- 2010 Econometric Society World Congress, Shanghai, China (August).
- 2010 Mexican Stata Users Group Meeting, Mexico City, Mexico (April).
- XXII European association for population economics conference, London, UK, Jun. 2008.
- 2007 UK Stata users group meeting, London, UK, September 2007.
- Fourth annual migration meeting, Institute for the study of labor (IZA), Bonn, Germany, May 2007.
- Royal economic association conference, Warwick, UK, April 2007.
- Latin american meeting of the econometric society, México City, México, November 2006.
- EALE annual conference, Prague, Czech Republic, September 2006.
- 10th Latin american and caribbean economic association conference, France, Oct. 2005.
- XIX European association for population economics conference, Paris, France, Jun. 2005.
- 11th UK Stata users group meeting, London, UK, May 2005.
- Royal economic association conference, Nottingham, UK, March 2005.
- XXIX Simposio de análisis económico, Pamplona, Spain, December 2004.
- 9th UK Stata users group meeting, London, UK, May 2003.
- Annual Conference of the British society for population economics, Bristol, 2003.

## *Invited presentations*

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- Economics seminar, Economics Departement, Queensland University, Australia, February 2014.
- Seminar at CMPO, University of Bristol, UK, November, 2011.
- Seminar at DEAS, University of Milan, Italy, October, 2011.
- Seminar at the Berkeley Evaluation and Assessment Research (BEAR) Center, January 2011.
- Statistics seminar, Queen Mary University of London, November 2010.

- Economics seminar, Colleague of Mexico (Colmex), México, September 2010.
- Economics seminar, Institute for Economic Research, UNAM, México, September 2010.
- Economics seminar, University of Surrey, UK, October 2009.
- Economics seminar, Iberoamerican University, México, August 2007.
- Presentation at the Bristol Institute of Public Affairs, University of Bristol, UK, May 2007.
- Economics seminar, Kent University, UK, December 2006.
- Economics seminar, Universidad de Guanajuato, México, November 2006.
- Presentation at StataCorp LP, College Station, Texas, USA, July 2006.
- Seminar at ISER, University of Essex, UK., July 2006.
- Econometrics workshop, University of Warwick, UK., May 2006.
- Seminar at DEAS, University of Milan, Italy, March. 2006.
- Economics seminar, University of Minho, Portugal, February 2005.
- Economics seminar, Technique University of Lisbon, Portugal, February 2005.
- Labour economics seminar, University of Warwick, Autumn 2002.
- Labour economics seminar, University of Warwick, Autumn 2001.

## *Conference organisation*

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- Chair of the scientific committee. First Stata Users Group Meeting México México City, April 2009 (invited lecture: Prof. Sophia Rabe-Hesketh, Berkeley).
- Chair of the scientific committee. 2010 Stata Users Group Meeting in México . México City, April 2010 (invited lecture: Prof. Pravin K. Trivedi, Indiana).
- Chair of the scientific committee. 2011 Stata Users Group Meeting in México . México City, May 2011 (invited lecture: Prof. A. Colin Cameron, University of California — Davis).
- Member of the scientific committee. 2013 Stata Users Group Meeting in México . México City, (invited lecture: Prof. Christopher Baum, Boston College).

## *Administration Experience*

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- DoQSS Working Papers series editor and administrator.
- Seminar co-ordinator.
- International exchange students tutor.
- First year tutor.

## *Professional affiliations*

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- Member of the Econometric Society.
- Member of the European Society for Population Economics.
- Member of the Royal Economic Society.
- Member of the Latin American and Caribbean Economic Association.

## References

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- **Professor Wiji Arulampalam.**  
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- **Professor Susan W. Parker.**  
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