

Alfonso Miranda

Coordinates

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<i>Languages</i>	Spanish (native), English, French (intermediate).

Current positions

<i>2012 – present</i>	Professor of Economics , Centre for Economic Teaching and Research (CIDE), Aguascalientes, México.
<i>2019 – present</i>	National Researcher Level III , National Council of Humanities Science and Technology (CONAHCYT), México.
<i>2018 – presente</i>	Regular member , Mexican Science Academy, México.
<i>2023 – present</i>	Honorary Professor , University of Dundee, UK.
<i>2008 – presente</i>	External Affiliate , Health, Econometrics and Data Group . Universidad de York, Reino Unido.
<i>2007 – present</i>	Research fellow Institute for the Study of Labor (IZA) , Germany.
<i>2018 – present</i>	Research fellow Global Labor Organization (GLO) .

Education

<i>2000 – 2004</i>	PhD in economics , 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>	MSc in economics , 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>	MA in economics , 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>	BSc in Economics (distinction) , National Autonomous University of México (UNAM), México.

Past positions

2008 – 2012	Lecturer in social statistics (tenured), Department of Quantitative Social Science, Institute of Education, University College London, UK.
2004 – 2008	Lecturer in economics (tenured), School of Economic and Management Studies, Keele University, UK.
2023	ISSR Global scholar , Institute for Social Sciences, University of Dundee, UK (May-June).
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).

Editorial service

2020 – 2022	Editor , <i>Latin American Economic Review</i> , CIDE.
2018 – presente	Editorial board member , <i>Sobre México</i> , Universidad Iberoamericana.

Participation in external committees

2022	Member of the scientific evaluation committee , area 5, National System of Researchers (SNI), National Council of Humanities Science and Technology (CONAHCYT).
2018 – 2020	Member of the Technical Group of High Specialists for measuring Income and welfare in the households of Mexico , National Institute for Statistics and Geography (INEGI), México.
2016 – 2018	Member of the Extended Technical Group INEGI-CONEVAL , National Institute for Statistics and Geography (INEGI) and National Council for the Evaluation of Social Policy, México.
2018 – 2018	Member of the Evaluation committee for the 2018 call of the Basic Science Fund of CONAHCYT , National Council of Humanities Science and Technology (CONAHCYT), México.
2015 – 2015	Member of the Evaluation committee of the 2015 call renewing the National Program of Quality Posgraduates (PNPC) , full-time modality, National Council of Humanities Science and Technology (CONAHCYT), México.

Research interests

- 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

- Miranda, A., Rodríguez-Martínez, Y., Zhu, Y. (2024). Children's personality and its contribution to school grades inequality: Evidence from Mexico. *Bulletin of Economic Research*
- Corona Pantoja, A.I., Miranda Caso Luengo, A.. (2024). El uso del tiempo de los mexicanos dada la disponibilidad de agua en sus viviendas. *Sobre México. Temas de Economía*. 5(9): 128-159.
- Ruiz Sánchez, J. A., Miranda Caso Luengo, A., Esquer Martínez, A., Fernández, L. C., Marín Marín, F. (2023). Propuesta conceptual para una medición integral de los bienestar económicos y social en México. *Realidad, datos y espacio. Revista internacional de estadística y geografía* 14(2).
- Sonia R. Bhalotra, S.R., Diaz-Cayeros, A., Miller, G., Miranda, A., Venkataramani, A.S. (2021). [Urban Water Disinfection and Mortality Decline in Lower-Income Countries](#), *American Economic Journal: Economic Policy* 13 (4): 490-520.
- Miranda, A., Trivedi, PK. (2021). Econometric Models of Fertility, In: Nigar Hashimzade and Michael Thornton (eds.), *Handbook of Research Methods And Applications In Empirical Microeconomics*, Edward Elgar Publishing. (in press).
- Peralta, Y., Aguilar-Rodríguez, A., Dávila González, O., Miranda, A. (2021). [Dimensionality and Reliability Assessment of a Field Implementation of the Big Five in Mexican Children](#). *Journal of Psychoeducational Assessment* 39 (5) 579–592.
- Miranda, A., Dávila González, O., Aguilar-Rodríguez, A., Aréchar, A., Zizumbo-Colunga, D., Rodríguez-Martínez, Y., Sainz-Santamaría, J. (2020). [The Aguascalientes longitudinal study of child development: Baseline and first results](#). *Longitudinal and Life Course Studies* 11 (3):409-423.
- Miranda, A., Zhu, Yu. (2020). [The Effect of Deficiency at English on Female Immigrants' Wage in the UK: correcting for measurement error, endogenous treatment, and sample selection bias](#). *Applied Economics Letters* 28 (5):349-353 .
- Miranda, A., Aguilar-Rodríguez, A., Zizumbo-Colunga, D., Sainz-Santamaría, J. (2019). [Diversidad y discriminación en las empresas del sector servicios de la Ciudad de México](#). Libro editado por CONAPRED.
- Aguilar-Rodríguez, A., Miranda, A., Zhu, Y. (2018). [Decomposing the language pay gap among the indigenous ethnic minorities of Mexico: is it all down to observables?](#). *Economics Bulletin* 38 (2):689-695.
- Miranda, A., Sainz-Santamaría, J. (2018). [Incentivos, error de medición y estimación de la pobreza en México](#). *Realidad, Datos y Espacio. Revista Internacional de Estadística y Geografía* 9: 240-257.
- Unger-Saldaña, K., Ventosa-Santaulària, D., Miranda, A., Verduzco-Bustos, G. (2017). [Barriers and Explanatory Mechanisms of Delays in the Patient and Diagnosis Intervals of Care for Breast Cancer in Mexico](#). *The Oncologist* 22:1-14.
- De Melo, G., Machado, A., Miranda, A. (2017). [El impacto en el aprendizaje del programa Una Laptop por Niño. La evidencia de Uruguay](#). *El Trimestre Económico* 84 (334):383-409
- 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* 121 (13): 2198-2206.
- 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*
- 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.

Grants and consultancy

- The Effect of Accent on Wages. **BA/Leverhulme Small Research Grants** SRG 2024 Round project SRG24\241752. Co-I: Yu Zhu (Dundee) and Alissa Melinger (Dundee).
- Determinants of school performance and education inequality in Mexico: lessons we can learn from the baseline of the Longitudinal Study of Child Development in Aguascalientes (EDNA). **Newtown Mobility Grant** 2018-2019, Co-I: Yu Zhu, Dundee.
- Benefits of inclusion in the private sector: diversity and discrimination in the workplace and its consequences in the private sector (2016-2017) , **National Council for Preventing the Discrimination** (CONAPRED). Coordinator and Principal Investigator, Co-I: Adriana Aguilar Rodríguez, Jaime Sainz Santamaría, Daniel Zizumbo-Colunga)
- Cost-effectiveness Evaluation of the Seguro Popular Program (Septiembre 2012-Noviembre 2012), **National Council for Health and Social Protection** (CNPSS), México. Coordinator and Principal Investigator; Co-I Nelly Aguilera, CISS; Co-I César Velázquez, Iberoamerican U.

Postgraduate supervision

- Ana Isabel Corona Pantoja (2022/2023) ‘Measures of individual welfare: the use of time of the Mexicans given the availability of water in their household’. MSc in Environmental Economics, CIDE.
- Alejandro Roa Contreras (2022/2023). ‘Cox proportional hazards regression analysis to assess delays in the criminal case filing in the justice system in Mexico city’. MSc in Methods for the Analysis of Public Policy (METPOL), CIDE.
- Cristina Alvares Venzor (2022/2023). ‘Impact of covid-19 school closure on the probability of school dropout: evidence on Mexican elementary schools’. MSc in Methods for the Analysis of Public Policy (METPOL), CIDE.
- Nadia Lizbeth Jimenez Rodriguez (2020/2021). ‘Spatial dependence of slum severity in CDMX’. MSc in Environmental Economics, CIDE.
- Issac Medina Martinez (2017/2018). ‘Effects of unobserved heterogeneity of bicycle commuters in the willingness to pay for bicycle infrastructure’. MSc in Environmental Economics, CIDE.
- Valeria Gracia Olvera (2016/2017). ‘Estimación de la disposición a pagar ex ante y ex post por los servicios recreativos de un parque en Aguascalientes’. MSc in Environmental Economics, CIDE.

Awards, and scholarships

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. MSc in economics dissertation. University of Warwick, 2000.

Teaching experience

Quantitative methods

- Statistics. MSc in Methods for the Analysis of Public Policy (METPOL) (CIDE 2023).
- Microeconometrics. MSc in Methods for the Analysis of Public Policy (METPOL) (CIDE 2020-2022).
- Applied Microeconometrics. MSc in Environmental Economics (CIDE 2015-2022).
- Statistics II. BSc in Public Policy core course (CIDE 2015-2016).
- Statistics II. BSc in Economics core course (CIDE 2014).
- Applied Microeconometrics. MSc in Economics 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).

Refereeing

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

References

- **Professor Yu Zhu.**
Economics, Dundee Business School,
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- **Professor Susan W. Parker.**
School of Public Policy, University of Maryland,
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- **Professor Pedro Hancevic.**
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