

JESÚS-ADRIÁN ALVAREZ

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Gartnerbyen 25, 4.6,
5200, Odense, Denmark

EDUCATION

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| PhD in Public Health University of Southern Denmark (Denmark) Main supervisor: James W. Vaupel | 2018–21 |
| Research Certificate in Demography European Doctoral School of Demography held at the Max Planck Institute of Demographic Research (Germany) and Sapienza University of Rome (Italy) | 2017 |
| MSc. in Population Studies University of Groningen (the Netherlands) | 2016 |
| BSc. in Actuarial Science Autonomous University of Mexico State (Mexico) | 2011 |

EMPLOYMENT

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| Research Assistant Max Planck Odense Centre on the Biodemography of Ageing (Denmark) | 2017–18 |
| Research Fellow Max Planck Institute for Demographic Research (Germany) | 2016–17 |
| Risk Manager and Data Quality Program Manager AXA Insurance Company (Mexico) | 2013–15 |
| Actuarial Consultant Willis Towers Watson (Mexico) | 2010–13 |

PUBLICATIONS

- Alvarez, J. A.**, Kjærgaard, S., Kallestrup-Lamb M., Vaupel, J.W. (2020). Linking retirement age does not lessen the demographic implications of unequal lifespans. Forthcoming in *Living to 100 Monograph*. Society of Actuaries.
- Wensink, M. †, **Alvarez, J. A.** †, Rizzi, S., Janssen, F., & Lindahl-Jacobsen, R. (2020). Progression of the smoking epidemic in high-income regions and its effects on male-female survival differences: A cohort-by-age analysis of 17 countries. *BMC Public Health*, 20(1), 1-8.
- Aburto, J. M., **Alvarez, J. A.**, Villavicencio, F., & Vaupel, J. W. (2019). The threshold age of the lifetable entropy. *Demographic Research*, 41, 83-102.
- Alvarez, J. A.**, Aburto, J. M., & Canudas-Romo, V. (2019). Latin American convergence and divergence towards the mortality profiles of developed countries. *Population Studies*, 1-18.

†=Equally contributed

STATISTICAL CONSULTING

- Statistics Greenland**
Development of software to evaluate differences in life expectancy for subpopulations

RESEARCH GRANTS

Rockwool Foundation

4,297,000 DKK

Challenges to Implementation of Indexation of the Pension Age in Denmark. Lead researcher: James W. Vaupel

TEACHING EXPERIENCE

Frailty Models and Formal Demography

2018–

European Doctoral School of Demography (Denmark and Spain)

Survival Analysis for Medical Research

2018

University of Southern Denmark

Actuarial Valuation of Pension Plans

2013–14

Anahuac University (Mexico)

OUTREACH

My research has been featured in The Conversation, Kristeligt Dagblad (Danish Newspaper) and Population Europe.

PRESENTATIONS AND INVITED LECTURES

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| Living to 100, conference organized the Society of Actuaries, Orlando, USA | January, 2020 |
| International Seminar on Supercentenarians, Paris, France | November, 2019 |
| Nordic Demographic Symposium, Reikjavik, Iceland | June, 2019 |
| 5th Human Mortality Database Symposium, Harnack Haus, Berlin, Germany | May, 2019 |
| Population Association of America annual conference, Austin, Texas USA | April, 2019 |
| Latin American Population Association conference, Puebla, Mexico | November, 2018 |
| Talk at the Americas University, Puebla, Mexico | November, 2018 |
| European Population Conference, Brussels, Belgium | June, 2018 |
| Population Association of America annual conference, Denver, Colorado USA | May, 2018 |
| PopFest Conference at the University of Stockholm, Stockholm, Sweden | April, 2017 |
| Italian Population Conference, Florence, Italy | February, 2017 |

PROFESSIONAL DEVELOPMENT

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| Certification in Financial Mathematics (FM2), Society of Actuaries | 2012 |
| Certification in Probability Models (P1), Society of Actuaries | 2011 |

PEER-REVIEW ACTIVITIES

Academic journals: Demography, Population and Development Review, Demographic Research, BMJ Open, BMJ Public Health, Epidemiology.

LANGUAGES

Spanish: Native

English: C2

COMPUTER SKILLS

R, LaTeX, GitHub, Visual FoxPro, SPSS, STATA, Microsoft Office: Excel, Word, PowerPoint