

# CURRICULUM VITAE

DI Mag. Dr. Daniela Weber  
(November 2018)

## EDUCATION

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- 2015      **Doctorate (Dr.rer.soc.oec)**      Vienna University of Economics and Business
- Doctoral Program in Social and Economic Sciences (field: Statistics)
  - Doctoral thesis (with distinction): *An International Perspective on Ageing and Cognitive Decline*  
Advisors: Prof. Wolfgang Lutz (WU Vienna), Prof. Agneta Herlitz (Karolinska Institutet)
- 2012      **Master (Mag. rer.soc.oec.) in Statistics**      University of Vienna
- Master thesis: *Web Usage Mining – Clustering Large Data Sets*  
Advisor: Prof. Marcus Hudec
- 2005      **Master (DI) in Technical Mathematics**      Vienna University of Technology
- Diploma thesis: *Copulas in Financial Risk Management*  
Advisor: Dr. Andreas Weingessel
- 2004      **Internship at Ecole de Mines d'Alès**      Alès (France)
- July-August 2004  
Statistical analysis in the field of powder technology; big data analysis; visualisations;

## PROFESSIONAL & RESEARCH EXPERIENCE

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- Since 2016      **Vienna University of Economics and Business (WU)**      Vienna
- Assistant Professor - Health Economics and Policy Devision*  
` health economics and healthy ageing of the silver generation
- Since 2010      **International Institute for Applied Systems Analysis (IIASA)**      Laxenburg
- Research Scholar - World Population Program*  
*Research topic:* aging, cognitive and physical functioning of older adults, measures of aging  
*Additional activities:* management of survey data, member of the postdoc committee, postdoc and YSSP program representative
- 2015 – 2017      **Vienna University of Economics and Business (WU)**      Vienna
- Guest Researcher - Human Capital and Development Devision*  
*Research topic:* indicators based on life expectancy
- 2009 – 2013      **FH Campus Wien**      Vienna
- Lecturer in Statistics for Tax Management (BA level)*
- 2008 – 2010      **Vienna University of Economics and Business (WU)**      Vienna
- Research and Teaching Assistant - Institute for Statistics and Mathematics*  
*Research topic:* psychometric methods and applied statistical methods

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| 2007 | <b>mobilkom austria</b><br><i>Project Assistant in Business Sales Support Management</i><br>Winner of a high potential competition 2007; modelling of benchmarking and reporting | Vienna |
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RESEARCH STAYS

|                   |   |           |
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| Nov./Dec.<br>2017 | <b>Karolinska Institutet</b> (Invited stay)<br>Research collaboration with Prof. Herlitz's group on longitudinal studies of gender differences in cognitive performance | Stockholm |
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| Oct. 2017 | <b>Russian Presidential Academy of National Economy and Public Administration under the President of the Russian Federation (RANEPA)</b> (Invited stay)<br>Research collaboration with International Laboratory on Demography and Human Capital | Moscow |
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| Nov. 2016 | <b>Max Planck Institute for Demographic Research (MPIDR)</b> (Invited stay)<br>Research collaboration with the Max Planck Research Group: Gender Gaps in Health and Survival | Rostock |
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| May. 2016 | <b>Karolinska Institutet</b> (Invited stay)<br>Research collaboration with Prof. Herlitz's group on the role of education on gender differences in cognitive performance | Stockholm |
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| May. 2015 | <b>Karolinska Institutet</b><br>Research collaboration with Prof. Herlitz's group on gender differences in cognitive performance of Europe's 50+ population | Stockholm |
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ADDITIONAL TRAINING

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| 2016 | GIS workshop, Mainz, Germany  |
| 2015 | RAND Summer Institute (RSI) Mini-Medical School for Social Scientists, Santa Monica, CA, US           |
| 2015 | RAND Summer Institute (RSI) on Demography, Economics, and Epidemiology of Aging, Santa Monica, CA, US |
| 2011 | Workshop on Demographic Analysis and Computer Application, Chulalongkorn University, Bangkok, TH      |

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TEACHING ACTIVITIES

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| 2017      | <b>Interdisziplinäres sozioökonomisches Forschungspraktikum I: Lebenslanges Lernen in einer alternden Wissensökonomie (Lifelong Learning in an Ageing Knowledge Economy)</b><br>University of Economics and Business |
| 2017      | <b>Applied Socio-Economic Theories and Methods II</b><br>University of Economics and Business  |
| 2016,2017 | <b>The Socioeconomics of Health and Education</b><br>University of Economics and Business  |

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| 2016, 2017         | <b>Selected Research Areas in Socioeconomics (focus on migration)</b><br>University of Economics and Business                                |
| 2008-2010,<br>2016 | <b>Statistik für Volkswirtschaft und Sozioökonomie (Statistics for Economics and Socioeconomics)</b><br>University of Economics and Business |
| 2009               | <b>Bridging Course Mathematics</b><br>University of Economics and Business   |
| 2008-2010          | <b>Statistik in der Marktforschung (Statistics in Market Research)</b><br>University of Economics and Business                               |
| 2009-2013          | <b>Wissenschaftliches Arbeiten (Basics in Statistics)</b><br>FH Campus Wien  |

#### SUPERVISION

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|         |   |
|---------|---|
| 2017    | Julia Speiser (BA thesis)   |
| 2017    | Sophie Niemann (BA thesis, co-supervisor Mag. Anna Renner)  |
| 2017    | Jeofrey Abalos (PhD student, co-supervisor Dr. Anne Goujon and Dr. Nadia Steiber; IIASA YSSP program) |
| 2016    | Phillip Cantu (PhD student, co-supervisor Dr. Nadia Steiber; IIASA YSSP program)                      |
| 2009    | Juzbasic Andrea (Master thesis supervision with Prof. Hatzinger)                                      |
| 2009/10 | Grand Alexandra (Master thesis supervision with Prof. Hatzinger)                                      |

#### AWARDS AND HONORS

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|      |  |
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| 2017 | Allianz-Nachwuchspreis für Demografie, German Society for Demography |
| 2016 | Stephan Koren-Preis, Vienna University of Economics and Business     |
| 2016 | AKNÖ-Wissenschaftspreis, AK Niederösterreich                         |
| 2015 | Rand Summer Institute Fellowship, Rand Corporation                   |
| 2015 | WU Mobilitätsstipendium, Vienna University of Economics and Business |
| 2003 | Top Stipendium, NÖ Landesakademie                                    |

#### PEER-REVIEWED PUBLICATIONS

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| 2018 | Serhiy Dekhtyar, Daniela Weber, Jonas Helgertz, and Agneta Herlitz <i>Sex differences in academic strengths contribute to gender segregation in education and occupation: A longitudinal examination of 167,776 individuals.</i> <b>Intelligence</b> , 67(2):84-92 |
| 2017 | Sergei Scherbov, and Daniela Weber<br><i>Future trends in the prevalence of severe activity limitations among older adults in Europe: a cross-national population study using EU-SILC.</i> <b>BMJ Open</b> , 7(9)  |
| 2017 | Daniela Weber, Serhiy Dekhtyar, and Agneta Herlitz<br><i>The Flynn effect in Europe – effects of sex and region.</i> <b>Intelligence</b> , 60(1):39-45   |

- 2016 Elke Loichinger and Weber Daniela  
*Trends in Working Life Expectancy in Europe. Journal of Aging and Health*, 28(7): 1194-1213
- 2016 Warren Sanderson, Sergei Scherbov, Daniela Weber, and Valeria Bordone  
*Combined Measures of Upper and Lower Body Strength and Subgroup Differences in Subsequent Survival Among the Older Population of England. Journal of Aging and Health*, 28(7): 1178-1193
- 2016 Weber Daniela  
*Social engagement to prevent cognitive ageing? Age and Ageing*, 45(4): 441-442
- 2016 Weber Daniela  
*Differences in physical aging measured by walking speed: evidence from the English Longitudinal Study of Ageing. BMC Geriatrics*, 16(31): 1-9
- 2014 Weber Daniela, Skirbekk Vegard, Freund Inga, and Herlitz Agneta  
*The changing face of cognitive gender differences in Europe. Proceedings of the National Academy of Sciences (PNAS)*, 111(32): 11673-11678
- 2014 Skirbekk Vegard, Bordone Valeria, and Weber Daniela  
*A cross-country comparison of math achievement at teen age and cognitive performance 40 years later. Demographic Research*, 31: 105-118
- 2013 Bordone Valeria and Weber Daniela  
*Number of children and cognitive abilities in later life. Vienna Yearbook of Population Research 2012*, 10: 95-126
- 2012 Skirbekk Vegard, Loichinger Elke, and Weber Daniela  
*Variation in cognitive functioning as a refined approach to comparing aging across countries. Proceedings of the National Academy of Sciences (PNAS)*, 109(3): 770-774
- 2011 Weber Daniela and Hatzinger Reinhold  
*A novel approach for modelling paired comparisons data with non-ignorable missing values on students' attitudes towards foreigners. Data Analysis Bulletin*, 12: 11-22
- 2010 Lienbacher Eva, Holweg Christina, Weber Daniela, and Schnedlitz Peter  
*Sozialmarkt - Imagegewinn oder Gefahr für die Marke? [Social supermarkets – an improvement of the image or a danger for the trademark] In: Aktuelle Beiträge zur Markenforschung Tagungsband des 3. Internationalen Markentages*, Hrsg. Günter Schweiger, 225-243 Wien: Gabler.

#### OTHER PUBLICATIONS

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- 2017 Herlitz Agneta, Dekhtyar Serhiy, Asperholm Martin, and Weber Daniela  
*Gender differences in memory and cognition. In: Encyclopedia of Geropsychology*. Springer, Singapore, pp. 935-941. ISBN 978-981-287-081-0
- 2016 Elke Loichinger, Anne Goujon, and Weber Daniela  
*Demographic Profile of the Arab Region: Realizing the Demographic Dividend. Economic and Social Commission for Western Asia (ESCWA), ESCWA/SDD/2016/Technical Paper 3*
- 2016 Loichinger Elke and Weber Daniela  
*Living longer. Determining whether we are using our extra years productively. Population Insights No. 04*

- 2016 Warren Sanderson, Sergei Scherbov, Daniela Weber, and Valeria Bordone  
*Combined Measures of Upper and Lower Body Strength and Subgroup Differences in Subsequent Survival Among the Older Population of England. IIASA Working Paper* WP 16-008
- 2016 Loichinger Elke and Weber Daniela  
*Trends in Working Life Expectancy in Europe. IIASA Working Paper* WP 16-004
- 2015 Weber Daniela  
*Differences in physical aging measured by walking speed. IIASA Interim Report* IR-15-010
- 2015 Weber Daniela, Skirbekk Vegard, Freund Inga, and Herlitz Agneta  
*The changing face of cognitive gender differences in Europe. IIASA Reprint* RP-15-001
- 2014 Weber Daniela and Skirbekk Vegard  
*The educational effect on cognitive functioning: National versus individual educational attainment. IIASA Interim Report* IR-14-008
- 2013 Skirbekk Vegard, Stonawski Marcin, and Weber Daniela  
*Could nations invest in cognitive skills and become effectively younger? SAGW Bulletin*, 1/2013, 48-49
- 2011 Skirbekk Vegard, Weber Daniela, and Bordone Valeria  
*National variation in cognitive life cycle development. IIASA Interim Report* IR-11-028 (Revised 7 November 2013)
- 2010 Sonntag Axel and Weber Daniela  
*Generalized graded unfolding models*. In: IRT Software: Überblick und Anwendungen. **Research Report Series** / Department of Statistics and Mathematics, 103. WU Vienna University of Economics and Business, Vienna.
- 2009 Weber Daniela and Weiler Maria  
*Erwartungskoinzidenz bei UniversitätsprofessorInnen und wissenschaftlichen MitarbeiterInnen: Das Log-lineare Bradley-Terry Model für Paarvergleichsdaten [Coincidence of professors' and teaching assistants' expectations: applying log-linear Bradley-Terry models to paired comparisons]* In: **Präferenzanalyse mit R**, Hrsg. Hatzinger R., Dittrich R., Salzberger T, 49-73. Wien: Facultas.

#### PRESENTATIONS

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- 2017 Weber Daniela and Loichinger Elke  
*Identifying the potential for longer working lives in Europe*. International Workshop on the Socio-Economics of Ageing, Lisbon, Portugal, 27.10.2017 (pers. presented)
- 2017 Weber Daniela  
*Future Trends in the Prevalences of Severe Activity Limitations among Older Adults in Europe*. RANEP seminar, Moscow, Russian Federation, 10.10.2017 (invited; pers. presented)
- 2017 Weber Daniela  
*An international perspective on aging and cognitive decline*. Statistische Woche, Rostock, Germany, 19.09-22.09.2017 (invited; pers. presented)
- 2017 Loichinger Elke and Weber Daniela  
*Global Trends in Working Life Expectancy* Statistische Woche, Rostock, Germany, 19.09-22.09.2017

- 2017 Loichinger Elke and Weber Daniela  
*Identifying the potential for longer working lives: educational differences in economic activity and health among persons aged 50+* Statistische Woche, Rostock, Germany, 19.09-22.09.2017
- 2016 Weber Daniela and Loichinger Elke  
*Does working life expectancy reflect health status?* European Population Conference, Mainz, Germany, 31.08-03.09.2016 (pers. presented)
- 2016 Dekhtyar Serhiy, Weber Daniela, Helgertz Jonas, and Herlitz Agneta  
*Cognitive gender differences contribute to horizontal gender segregation in education and occupation* European Population Conference, Mainz, Germany, 31.08-03.09.2016 (pers. presented)
- 2016 Weber Daniela  
*Hands-on ageing populations* Wittgenstein Centre Summer School "The Demography of Health and Education", Vienna, AUT, 06.06-15.06.2016 (pers. presented)
- 2016 Weber Daniela and Elke Loichinger  
*Working life expectancy and health in Europe: trends and determinants?* REVES, Vienna, AUT, 08.06-10.06.2016 (pers. presented)
- 2015 Zniva Robert, Weber Daniela, Weitzl Wolfgang, and Salzberger Thomas  
*Reviewing the Influence of Aging in Consumer Behaviour: Can we Learn From Demography?* Anzmac Conference, Sydney, AUS, 30.11-02.12.2015
- 2015 Weber Daniela  
*Older populations' health dynamics across four continents.* Comparative International Research Based on the HRS Family of Data Conference, Santa Monica, US, 10.07-11.07.2015 (pers. presented)
- 2015 Loichinger Elke and Weber Daniela  
*Trends in Working Life Expectancy by Education in Europe.* REVES, Singapore, 2.06-4.06.
- 2015 Weber Daniela, Bordone Valeria, Scherbov Sergei, and Sanderson Warren  
*Differences in the Physical Performance of England's Older Population by Education, Using a Composite Index Measured in Years of Age.* REVES, Singapore, SG, 2.06-4.06.2015 (pers. presented)
- 2014 Weber Daniela  
*Walking Speed as a Measure of Population Aging.* New Measures of Age and Ageing, Vienna, Austria, 3.12-5.12.2014 (pers. presented)
- 2013 Skirbekk Vegard, Stonawski Marcin, and Weber Daniela  
*Die Zukunft der geistigen Fitness in den DACH Ländern unter Berücksichtigung der Alters- und Kohorten Effekte?* 16. Deutsch-Österreichisch-Schweizerisches Demographentreffen, Salzburg, 11.09-13.09.2013 (pers. presented)
- 2013 Weber Daniela and Skirbekk Vegard  
*Do subjective health measures predict cognitive and physical health among older adults globally?* XXVII International Population Conference of the IUSSP, Busan, 26.08-31.08.2013 (pers. presented)
- 2013 Weber Daniela and Skirbekk Vegard  
*A global perspective on cognitive abilities and educational attainment.* Annual meeting of the Population Association of America, New Orleans, 11.04-13.04.2013 (pers. presented)

- 2012 Skirbekk Vegard, Weber Daniela, and Bordone Valeria  
*National variation in cognitive life cycle development.* Gerontological Society of America's Annual Scientific Meeting, San Diego, 14.11-18.11.2012
- 2012 Weber Daniela  
*An impending burden of disabled seniors? - Assessing the health of Asia's elderly.* Asian Population Association Conference, Bangkok, 26.08-29.08.2012 (pers. presented)
- 2012 Skirbekk Vegard, Weber Daniela, and Bordone Valeria  
*Cognitive life cycle development: a cross-country cohort study.* European Population Conference, Stockholm, Sweden, 13.06-16.06.2012
- 2012 Weber Daniela  
*A global comparison of the relation between older adults' education and cognitive functioning.* European Population Conference, Stockholm, Sweden, 13.06-16.06.2012 (pers. presented)
- 2012 Weber Daniela and Skirbekk Vegard  
*Productivity of seniors in a global perspective.* Expert workshop: Ageing and Innovation, KfW Berlin, Germany, 09.05.2012 (pers. presented; invited)
- 2011 Bordone Valeria, Weber Daniela, and Skirbekk Vegard  
*Senior's wellbeing: perceived and realized associations with variation in number of children.* Education and the Global Fertility Transition, Vienna, Austria, 30.11-01.12.2011
- 2011 Weber Daniela, Skirbekk Vegard, and Freund Inga  
*An investigation into gender differences in cognitive abilities for Europeans aged 50+.* Workshop: Ageing, Health and Productivity, St. Gallen, Switzerland, 04.10-05.10.2011 (pers. presented)
- 2011 Skirbekk Vegard, Freund Inga, and Weber Daniela  
*An investigation into gender differences in productivity potential for those aged 50 and above.* International Conference on Personalized Aging, Bremen, Germany, 26.05-28.05.2011
- 2011 Skirbekk Vegard, Loichinger Elke, and Weber Daniela  
*Productivity potential by age and cohort: Examples from different world regions.* Annual meeting of the Population Association of America, Washington DC, United States, 31.03-02.04.2011
- 2010 Holweg Christina, Lienbacher Eva, Weber Daniela, and Schnedlitz Peter  
*Social supermarkets - an innovative example of reverse logistics.* EIRASS Conference, Istanbul, Turkey, 02.07-05.07.2010
- 2009 Weber Daniela, Rusch Thomas, and Hatzinger Reinhold  
*Paired comparisons with nonignorable missing - models and simulations.* Panhellenic Data Analysis Conference, Rethymnon, Greece, 10.09-12.09.2009 (invited, pers. presented)
- 2009 Lienbacher Eva, Holweg Christina, Weber Daniela, and Schnedlitz Peter  
*Sozialmarkt - Gefahr für die Marke? 3.* Internationaler Markentag, Vienna, Austria, 24.09-25.09.2009
- 2009 Rusch Thomas, Weber Daniela, and Hatzinger Reinhold  
*Anpassungstests für hochdimensionale Kontingenztafeln und Antwortmustermodelle basierend auf beschränkter Information.* 5. Klagenfurter Statistiktage, 15.5.2009

2008 Weber Daniela and Rusch Thomas  
*Forecasting election results from opinion polls under nonignorable missing - Models and simulations.* Young Statisticians Meeting, Balatonfüred, Ungarn, 17.10-19.10.2008 (pers. presented)

#### POSTER PRESENTATIONS

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2018 Zniva Robert and Weber Daniela  
*Revising the Conceptualization of Aging in Consumer Behavior.* Gerontological Society of America's Annual Scientific Meeting, Boston, 14.11-18.11.2018

2018 Zniva Robert, Lienbacher Eva, and Weber Daniela  
*Revising the Influence of Aging on the Food Shopping Environment.* Gerontological Society of America's Annual Scientific Meeting, Boston, 14.11-18.11.2018

2016 Dekhtyar Serhiy, Weber Daniela, Helgertz Jonas, and Herlitz Agneta  
*Cognitive gender differences contribute to horizontal gender segregation in education and occupation* Population Association of America, Washington DC, United States, 31.03-02.04.2016

2014 Loichinger Elke and Weber Daniela  
*Trends in labor force participation and working life expectancy by education in Europe.* New Measures of Age and Ageing, Vienna, Austria, 3.12-5.12.2014

2014 Weber Daniela  
*An impending burden of disabled older adults? - Health dynamics of older populations across four continents.* European Population Conference, Budapest, Hungary, 25.06-28.06.2014 (personally presented)

2014 Weber Daniela  
*Health dynamics of older populations across four continents.* REVES, Edinburgh, UK, 28.05-30.05.2014 (personally presented)

2013 Weber Daniela  
*A global perspective on cognitive function and educational attainment? XXVII* International Population Conference of the IUSSP, Busan, 26.08-31.08.2014 (personally presented)

2012 Weber Daniela and Skirbekk Vegard  
*The relation between self-assessed and objective cognitive and physical health among the 50+.* Gerontological Society of America's Annual Scientific Meeting, San Diego, 14.11-18.11.2012 (personally presented)

2012 Bordone V., James K. S., Skirbekk V., Stonawski M., and Weber D.  
*Religion, fertility and coping among Indian elderly. Evidence from national survey.* Asian Population Association Conference, Bangkok, 26.08-29.08.2012

2011 Bordone Valeria, Weber Daniela, and Skirbekk Vegard  
*A reversal of the positive education-BMI link and the implication for seniors' cognitive abilities.* British Society for Population Studies (BSPS) Conference, 7.09 – 10.09.2011

2009 Holweg Christina, Lienbacher Eva, Weber Daniela, and Schnedlitz Peter  
*Social supermarkets - A new marketing channel?* Anzmac. Australian & New Zealand Marketing Academy. Sustainable Management and Marketing Conference, Melbourne, Australia, 30.11-2.12.2009

2009 Weber Daniela, Lienbacher Eva, Ziniel Wolfgang, and Mair Patrick  
*Statistical challenges in search engine marketing - Schuhplattler go Google AdWords.*  
Österreichische Statistiktage 2009, Wien, Österreich, 21.09-23.09.2009 (personally presented)

#### GUEST EDITOR

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2010 Wurzer Marcus, Mair Patrick and Weber Daniela  
Statistiktage 2009 Conference Special Volume of the **Austrian Journal of Statistics**.  
Vienna: Bundesanstalt Statistik Österreich

#### OTHER SKILLS

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Methods Survey analysis, mixed effect models

Software R, STATA, SPSS, MLWIN, Latex, MS Office, Endnote, Zotero, SQL

Data Management of survey data (e.g. nationally representative longitudinal surveys on aging and health: CRELES, ELSA, HRS, JSTAR, KLOSA, MHAS, SAGE, SHARE, and TILDA)

Voluntary International Association for the Exchange of Students for Technical Experience (IAESTE) 2003-2008  
board member 2005 - 2007  
president 2006/07  
organiser of IAESTE Firmenmesse at the University of Technology October 2006  
participation in national and international conferences and workshops

#### MEDIA COVERAGE

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The Economist, The Times, Forbes, Huffington Post, The Australian, Cosmopolitan and several other newspapers and internet platforms all over the world

#### REVIEWER

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Age and Ageing, Aging and Disease, Demographic Research, Economics and Human Biology, Genus: Journal of Population Sciences, Intelligence, Journal of Statistical Software, Social Indicators Research, Vienna Yearbook;