

CURRICULUM VITAE

DI Mag. Dr. Daniela Weber

EDUCATION

- 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), 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

- Since 2016 **Vienna University of Economics and Business (WU)** Vienna
Assistant Professor - Health Economics and Policy Division
Research on health economics and healthy ageing; collaboration with Prof. Schnedlitz’s group on aging in consumer behaviour
- Since 2015 **Vienna University of Economics and Business (WU)** Vienna
Guest Researcher - Human Capital and Development Division
Collaboration with Prof. Lutz’s group on indicators based on life expectancy
- Since 2015 **Karolinska Institutet** Stockholm
Guest Researcher (temporarily)
Collaboration with Prof. Herlitz’s group on gender differences in cognitive performance
- Since 2010 **International Institute for Applied Systems Analysis (IIASA)** Laxenburg
Research Scholar - World Population Program
Research on aging, cognitive and physical functioning of older adults, measures of aging
Additional activities: management of survey data, Postdoc and YSSP program representative
- 2008 – 2010 **Vienna University of Economics and Business (WU)** Vienna
Research and Teaching Assistant - Institute for Statistics and Mathematics
Research on psychometric methods and applied statistical methods

2009-2013 **FH Campus Wien** Vienna
Lecturer in Statistics for Tax Management (BA level)

2007 **mobilkom austria** Vienna
Project Assistant in Business Sales Support Management
Winner of a high potential competition 2007; modelling of benchmarking and reporting

TEACHING ACTIVITIES

2016 **The Socioeconomics of Health and Education**
University of Economics and Business; established new course in collaboration with Prof. Ghislandi

2016 **Selected Research Areas in Socioeconomics (focus on migration)**
University of Economics and Business; established new course in collaboration with Prof. Ghislandi

2008-2010, 2016 **Statistik für Volkswirtschaft und Sozioökonomie (Statistics for Economics and Socioeconomics)**
University of Economics and Business;

2009 **Bridging Course Mathematics**
University of Economics and Business;

2008-2010 **Statistik in der Marktforschung (Statistics in Market Research)**
University of Economics and Business;

2009-2013 **Wissenschaftliches Arbeiten (Basics in Statistics)**
FH Campus Wien;

SUPERVISION

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

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

- 2017 Daniela Weber, Serhiy Dekhtyar, and Agneta Herlitz
*The Flynn effect in Europe – effects of sex and region. **Intelligence**, 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

- 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 Herlitz Agneta, Dekhtyar Serhiy, Asperholm Martin, and Weber Daniela
Gender differences in memory and cognition. In: **Encyclopedia of Geropsychology**. Living Reference Work. Springer, Singapore, pp. XX. ISBN 978-981-287-080-3 (in press)
- 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

- 2016 Weber Daniela and Loichinger Elke
Does working life expectancy reflect health status? European Population Conference, Mainz, Germany, 31.08-03.09.2016 (personally 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 (personally 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 (personally 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 (personally 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 (personally 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 (personally 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 (personally 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 (personally 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 (personally 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 (personally 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 (personally 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 (personally 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 (personally presented)
- 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 (personally 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, personally 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, Alpen-Adria-Universität Klagenfurt, Austria, 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 (personally presented)

POSTER PRESENTATIONS

- 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, Australien, 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

- 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

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

ADDITIONAL TRAINING

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

MEDIA COVERAGE

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

REVIEWER

Age and Ageing, Aging and Disease, Genus: Journal of Population Sciences, Intelligence, Journal of Statistical Software, Vienna Yearbook