

# Curriculum Vitæ— Marcus Ebeling

(Last Update: February 9, 2016)

## 1 Education

**July 2013:** European Master in Demography, European Doctoral School of Demography, Thesis: “Why do humans suffer exceptional high levels of senescence – A cause of death analysis based on the pace and shape of aging”, Universitat Autònoma de Barcelona and Center d’Estudis Demogràfics, Barcelona

**September 2012:** Master of Science in Demographie, University of Rostock, Master Thesis: “Rectangularization of the survival function”

**September 2010** Bachelor of Arts (Majors: Demography and Economics), Universität Rostock, Bachelor Thesis: “Säuglingssterblichkeit in den USA”

**July 2006** Abitur, Gymnasium Gadebusch

## 2 Present and Previous Appointments

**since January 2016:** Guest Researcher at the Max-Planck Odense Center on the Biodemography of Aging, Department of Public Health, University of Southern Denmark, Odense, Denmark

**since October 2014:** Guest Researcher at the Laboratory of Survival and Longevity, Max Planck Institute for Demographic Research, Rostock

**since October 2013:** Research Scientist at the Chair of Demography at the University of Rostock

**October 2013–September 2014:** Guest Researcher at Max Planck Research Group Modeling the Evolution of Aging

**August 2013–September 2013:** PhD-Student Max Planck Research Group Modeling the Evolution of Aging

**January 2011–August 2012** Research Assistant at the Chair of Demography at the University of Rostock

## 3 Honors and Prizes

**May 2014:** **PAA Poster Award** (together with Prof. Roland Rau) at Population Association of America Annual Meeting 2014, Boston, USA. Title of the poster: “Mortality Development and the Rectangularization of the Survival Curve”

## 4 Publications

- MARIE-PIER BERGERON BOUCHER, MARCUS EBELING, VLADIMIR CANUDAS-ROMO (2015): Decomposing changes in life expectancy: Compression versus shifting mortality. **Demographic Research**, Vol. 33: pp. 391–424 (DOI:10.4054/DemRes.2015.33.14)

## 5 Presentations of Papers and Posters

- MARCUS EBELING, MARIE-PIER BERGERON BOUCHER, ROLAND RAU, ANNETTE BUDSICH (2016): The Pace and Shape of Causes of Death, **Mortality Divergence and Causes of Death (MODICOD)**, **From disparities in mortality trends to future health challenges (DIMOCHA)**, Joint Seminar, Rostock, Germany, January 2016
- MARCUS EBELING, MARIE-PIER BERGERON BOUCHER, ROLAND RAU, ANNETTE BAUDISCH (2015): Pace and Shape of Causes of Death, Poster at the **Population Association of America Annual Meeting 2015 (PAA 2015)**, San Diego, USA, May 2015

- MARIE-PIER BERGERON BOUCHER, MARCUS EBELING, VLADIMIR CANUDAS-ROMO (2015): Decomposing mortality changes: towards compression or shifting mortality, **Population Association of America Annual Meeting 2015 (PAA 2015)**, San Diego, USA, May 2015
- MARCUS EBELING, MARIE-PIER BERGERON BOUCHER, ROLAND RAU, ANNETTE BAUDISCH (2014): Pace and Shape of Causes of Death, **Annual Meeting of the Evolutionary Demography Society (EvoDemoS)**, Stanford, USA, November 2014
- MARIE-PIER BERGERON BOUCHER, MARCUS EBELING, VLADIMIR CANUDAS-ROMO (2014): Decomposing mortality changes: towards compression or shifting mortality, **European Population Conference (EPC 2014)**, Budapest, Hungary, June 2014
- MARCUS EBELING, MARIE-PIER BERGERON BOUCHER, ROLAND RAU, ANNETTE BAUDISCH (2014): Pace and Shape of Causes of Death, **European Population Conference (EPC 2014)**, Budapest, Hungary, June 2014
- MARCUS EBELING, ANNETTE BAUDISCH (2014): Applying the Pace and Shape Approach of Aging, Poster at the **Population Association of America Annual Meeting 2014 (PAA 2014)**, Boston, USA, May 2014
- MARCUS EBELING, ROLAND RAU (2014): Mortality Development and the Rectangularization of the Survival Curve, Poster at the **Population Association of America Annual Meeting 2014 (PAA 2014)**, Boston, USA, May 2014
- MARCUS EBELING, MARIE-PIER BERGERON BOUCHER (2013): Why do humans suffer exceptional high levels of senescence? **First Annual Meeting of the Evolutionary Demography Society (EvoDemoS)**, Odense, Denmark, October 2013
- MARCUS EBELING, ROLAND RAU, ANNETTE BAUDISCH (2013): The Maximized Inner Rectangle Approach (MIRA) – Disentangling Rectangularization. **XXVII IUSSP International Population Conference**, Busan, South Korea, August 2013
- MARCUS EBELING, MARIE-PIER BERGERON BOUCHER (2013): What drives the shape? – A cause of death analysis based on the pace and shape of aging **Applied Stochastic Models and Data Analysis International Conference (ASMDA)**, Mataró, Spain, 28 June 2013
- RIDHI KASHYAP, MARCUS EBELING (2013): Same-Sex Partnerships in Uruguay: Spatial Demographic Explorations using the 2011 Census **7th International Conference on Population Geographies**, Groningen, Netherlands, 27 June 2013

## 6 Professional Activities

### 6.1 Reviewer for Journals

- Demographic Research
- European Journal of Population
- Genus

### 6.2 Professional Affiliations

- Evolutionary Demography Society (EvoDemoS)

## 7 Teaching Experience

### “Introduction to Family Demography”

- University of Rostock, Summer Term 2013
- 2h tutorial per week (BA-Level)

**“Introduction to Demography”**

- University of Rostock, Winter Term 2013/2014, 2014/15 and 2015/16
- 2h exercise session per week (BA-level)

**“General Demography III: Mortality/Mortality Analysis”**

- University of Rostock, Winter Term 2013/2014 and 2015/2016
- 2h per week: combined exercise session and computer lab (Master-level)

**“Public Health and Mortality”**

- University of Rostock, Summer Term 2014
- Research seminar, 4h per week (BA-level)

**“Analytical Methods in Demography”**

- University of Rostock, Winter Term 2014/2015
- 2h seminar per week (BA-Level)

**“Demographic Aspects of Aging”**

- University of Rostock, Summer Term 2015
- 2h seminar per week (MA-Level)

**“Life Table”**

- University of Southern Denmark, October 2015
- 2h seminar (BA-Level)

**Guest Lectures**

- “Demographische Forschung” (in German), within the guest lecture series “Gastvorlesungen”, Europaschule Humboldt Gymnasium Gifhorn, March 18, 2015
- “Variance of Rates and Probabilities” (in German), within the lecture “General Demography III: Mortality”, University of Rostock, October 29, 2013
- “Introduction to Demography and Aging Research”, within the lecture series of the “MaxNe-tAging Research School”, Max Planck Institute for Demographic Research, Rostock, February 8, 2016

## **8 Service at the University of Rostock**

- Study Guidance for Demography Students at the Bachelor Level

### **8.1 Thesis Supervision/Evaluation**

- 4 Master Theses
- 8 Bachelor Theses

## 9 Postgraduate Training

**November 2015** *Biodemography*, Dr. S Pavard, Muséum National D'Histoire Naturelle, Paris, France

**November 2013–Dezember 2013:** *Demography of Aging across the Tree of Life*, Dr. A Scheuerlein, International Advanced Studies in Demography, Rostock, Germany

**November 2011–Dezember 2011:** *Frailty Models*, Prof. T Missov, International Max Planck Research School for Demography (IMPRSD), Rostock, Germany

**November 2011–Dezember 2011:** *Research Tools and Presentation Skills*, Dr. H. Maier, IMPRSD, Rostock, Germany

**June 2011:** *Perturbation Analysis of Longevity*, Dr. H. Caswell, IMPRSD, Rostock, Germany

**July 2010:** *Microsimulation using SOCSIM*, Dr. C. Mason, IMPRSD, Rostock, Germany

## 10 Language and Computer Skills

- Languages: German (mother tongue), English (fluent)
- Computer Skills:
  - Operating Systems: Working knowledge of MS Windows (95, 98, 2000, NT, XP, Vista), GNU/Linux (Mint, Ubuntu)
  - Office-Software: MS Word, MS Excel, MS Powerpoint, OpenOffice.org
  - Editors: Emacs
  - Typesetting: L<sup>A</sup>T<sub>E</sub>X
  - Statistical Packages: R, SPSS, SAS, Stata
  - Symbolic Algebra Packages: Maxima
  - Programming: Awk, SQL (Beginner)