

CURRICULUM VITAE

Beata Osiewalska

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■ EDUCATION

- 2011-2015 **Doctoral studies** at Cracow University of Economics.
PhD topic:
Couples' childlessness and parenthood as a result of both partners' socio-economic status in selected European countries. Bayesian approach
- 2013-2014 **European Doctoral School of Demography (EDSD)**
Selected courses:
Mathematics (projections of populations and cohorts, agent-based modelling, multistate models); Statistics (regression models, discrete time models, survival analysis, meta-analysis); Data (quality, indirect estimation technique, qualitative research); Modelling (interacting populations, households projection, multistate population projection, microsimulations); Causes and Consequences (historical demography, population ageing, mortality, fertility, migration).
- 2010-2013 **Master of Informatics and Econometrics** with a specialization in Modelling and Forecasting Economic Processes at Cracow University of Economics. Graduated with an excellent (A) degree.
Selected courses:
Econometrics, Dynamic and Financial Econometrics, Time Series Analysis, Forecasting and Economic Simulation, The Multidimensional Analysis, Representative Method, The Modelling and Forecasting of Demographic Processes, Qualitative Data Analysis, Bayesian Inference
- 2005-2010 **Master of Mathematics**, with a specialization in Financial Mathematics at Jagiellonian University. Graduated with a 4.5 (B+) degree.
Selected courses:
Mathematical Analysis, Calculus, Linear Algebra and Geometry, Algebra and Number Theory, Topology, Differential Equations, Numerical Methods, Life Insurance Mathematics, Financial Mathematics, Probability Theory, Stochastic Processes, Statistics, Game Theory, Optimisation Theory
- 2007-2010 **Bachelor of Informatics and Econometrics** with a specialization in Modelling and Forecasting Economic Processes at Cracow University of Economics. Graduated with an excellent (A) degree.
Selected courses:
Microeconomics, Macroeconomics, Mathematical Economics, Computer Programming, Algorithms and Data Structures, Descriptive Statistics, Mathematical Statistics

■ PROFESSIONAL EXPERIENCE

- since 01.2013 Managing Editor in Demographic Studies – a peer-reviewed scientific journal of the Committee of Demographic Studies of the Polish Academy of Sciences
- 03.2012-07.2014 Analyst in Statistical Office in Cracow
- 11.2012-06.2013 Research Assistant (part-time) at International Institute for Applied System Analysis (IIASA), Vienna (Austria); Religion, education and demography project
- 09.2011-12.2011 Business Analyst in ARC Consulting

■ PUBLICATIONS

- Testa M. R., Bordone V., Osiewalska B., Skirbekk V., *Intergenerational transmission of fertility in selected European countries: the role of mother's socio-economic status* (in progress).
- Osiewalska B., 2013, Transmission of Fertility Pattern in Mother-Daughter Relation – Bayesian view (a case study of Austria), *Demographic Studies*, 1(162)/2013.
- Osiewalska B., 2012, Przejmowanie wzorca płodności matek przez generacje córek w Polsce – podejście bayesowskie (Do daughters adopt their mothers' fertility patterns? The case of Poland) [in:] J. Kurkiewicz (ed.), *Przemiany demograficzne w Polsce – uwarunkowania i konsekwencje*, Badania statutowe 12/KS/2/2012/S/012, Cracow University of Economics, Cracow (typescript).
- Osiewalski K., Zając B., 2011, Bayesowskie porównanie modeli zachowań prokreacyjnych (Bayesian comparison of procreative behavior models), *Prace i Materiały Wydziału Zarządzania Uniwersytetu Gdańskiego pt. Metody Badań i Interpretacja Procesów Demograficzno-Społecznych*, Gdańsk, vol. 2, p. 21-39.
- Osiewalski K., Zając B., 2010, Krzywe cząstkowych współczynników zgonów – modele wygładzania (Smoothing models of death rates curves), *Społeczne i Ekonomiczne Konsekwencje Zmian Procesów Demograficznych*, part 1, p. 77-86.
- Osiewalski K., Zając B., 2009, Zastosowanie rozkładu Kumaraswamy w konstrukcji tablic dalszego oczekiwanego trwania życia (The Kumaraswamy's distribution in construction of life tables) [in:] M. Gazińska (ed.), *Zmiany Struktur Demograficznych i ich Konsekwencje dla Przyszłego Rozwoju*, vol. 1, p. 132-142.

■ RESEARCH PROJECTS

- *Couples' childlessness and parenthood as a result of male and female socioeconomic status in selected European countries - bayesian approach*, doctoral project founded by **National Science Centre**, Poland, 2014-2016. Project leader: Beata Osiewalska.
- *The ReCap project: Does education influence the decision to have a child and a preferences for a given family size?*, **Austrian Science Fund**, Elise Richter Program, Vienna, Austria, 2014-2016. Project leader: Maria Rita Testa.
- *Religion, education and demography project*, International Research Project at International Institute for Applied Systems Analyses (**IIASA**), Laxenburg, Austria, 11.2012-06.2013. Project leader: Vegard Skirbekk.
- *Sytuacja społeczno-ekonomiczna osób w wieku 50+ w warunkach starzenia się ludności Europy [Socioeconomic situation of population aged 50+ in face of population ageing in Europe]*, University project, No. 065/WZ-

KS/02/2013/S/3065, **Cracow University of Economics**, 2013/2014. Project leader: Jolanta Kurkiewicz.

- *Przemiany demograficzne w Polsce – uwarunkowania i konsekwencje [Demographic changes in Poland – determinants and consequences]*, University project, No. 12/KS/2/2012/S/012, **Cracow University of Economics**, 2012/2013. Project leader: Jolanta Kurkiewicz.

■ SELECTED PRESENTATIONS AND POSTERS AT CONFERENCES

- Testa M. R. Bordone V., Osiewalska B., Skirbekk V., *Intergenerational transmission of fertility in six European countries: the role of mother's socio-economic status*, **European Population Conference**, Budapest, 25-28.06.2014.
- Osiewalska B., *Couples' childlessness and parenthood as a result of male and female socioeconomic status: Bayesian analysis in case of selected European countries*, **European Population Conference**, Budapest, 25-28.06.2014 [poster].
- Kurkiewicz J., Soja E., Osiewalska B., *Family support for population at age 50 and over in selected European countries*, **European Population Conference**, Budapest, 25-28.06.2014 [poster].
- Osiewalska B., *Couples' childlessness and parenthood as a result of male and female socioeconomic status in case of selected European countries*, **2nd GGP Users Conference**, Milan, 24-26.10.2013.
- Osiewalska B., *Transmission of Fertility Pattern in Mother-Daughter Relation in Austria – Bayesian view*, **2nd GGP Users Conference**, Milan, 24-26.10.2013 [poster].
- Osiewalska B., *Transmission of Fertility Pattern in Mother-Daughter Relation*, **VID Colloquium**, Vienna Institute of Demography, 31.01.2013.
- Osiewalska B., *Kto decyduje o liczbie potomstwa? Bayesowska analiza zachowań prokreacyjnych w zależności od profilu społeczno-ekonomicznego pary [Who decides about the number of offspring? Bayesian analysis of reproductive behaviors due to socioeconomic status of couples]*, **XIV Ph.D. Workshops on Statistics and Econometrics**, Łódź University, 4-7.06.2013.
- Osiewalska B., *Childlessness and parenthood as a result of male and female socioeconomic status*, **XI Conference of Young Demographers** "Population and Economy in the Face of Ageing", Cracow University of Economics, 18-20.09.2013.
- Osiewalska B., Szklarska M., *Generational changes in procreative behaviour in Poland. Comparative analysis of generations 1947-1951 and 1973-1977*, , **European Population Conference**, Stockholm, 13-16.06.2012[poster].

■ AWARDS AND HONOURS

- Doctoral scholarship from Institut National d'Etudes Demographiques (INED), Paris (2013/2014)
- Scholarship for the best PhD students at CUE (2011/12, 2013/14)
- PhD scholarship for students with scientific achievements (2011/12, 2013/14)
- Awarded with Polish Ministry of Science and Higher Education scholarship for the best students (2010/11)
- Several scholarships for the best students at JU and CUE (2007-2011)

■ RESEARCH INTERESTS

fertility changes, intergenerational transmission of fertility patterns, procreative behaviors in contemporary populations, Bayesian inference

■ **LANGUAGES**

Polish – native
English – very good, TELC B2 (2007)
Russian – basic

■ **COMPUTER SKILLS**

R, MS Office (Excel, Word) – very good
Statistica, LaTeX, Gretl – good
Java, Maple, CorelDraw, Populus – basic

■ **PERSONAL QUALITIES**

quick learner, well organized, flexible, conscientious

■ **HOBBIES**

hiking, cycling, traveling, crime fiction, novels of manners, movies and nature programs