

Dilek Yildiz

CONTACT INFORMATION	Wittgenstein Centre (IIASA, VID/ÖAW, WU), International Institute for Applied Systems Analysis, Vienna Institute of Demography/Austrian Academy of Sciences Welthandelsplatz 2 Level 2 1020 Vienna, Austria	dilek.yildiz@oeaw.ac.at
RESEARCH INTERESTS	Population projections, Bayesian modelling, big-data sources, administrative data sources, population estimation, log-linear modelling	
SOFTWARE SKILLS	• R, JAGS, SPSS, ARCGIS, WinBUGS, OpenBUGS	
EDUCATION	University of Southampton , Southampton, UK Ph.D., Social Statistics and Demography, May 2016 <ul style="list-style-type: none">• Thesis Title: <i>Methods for Combining Administrative Data to Estimate Population Counts</i>• Supervisors: Peter W. F. Smith and Peter G. M. van der Heijden Hacettepe University , Ankara, Turkey M.Sc., Economic and Social Demography, August 2011 <ul style="list-style-type: none">• Thesis Title: <i>Sampling Error Estimation by Using Different Methods and Software in Complex Samples</i>• Advisor: A. Sinan Turkyilmaz Middle East Technical University , Ankara, Turkey B.Sc., Statistics, 2008	
RESEARCH EXPERIENCE	Wittgenstein Centre (Research Scholar) <ul style="list-style-type: none">• Measuring Labour Mobility and Migration Using Big Data January 2018 onwards• Empowered Life Years January 2018 onwards• Global Migration and Educational Expansion: Scenarios and Projections of Population-level Interactions July 2017 to January 2018• Reconstructing Educational Attainment of Populations in the 20th Century February 2016• Combining Traditional and Emerging Big Data Sources to Model Population Movement Patterns February 2016 University of Southampton (Researcher) <ul style="list-style-type: none">• Using Twitter Data for Population Estimates February 2015 to June 2016• Assessing Adaptive Cluster Sampling for Accessing the Pastoralist Population in Afar, Ethiopia, in collaboration with Central Statistical Authority and UNICEF September 2015 to November 2015 Hacettepe University <ul style="list-style-type: none">• Research Assistant, Technical Demography December 2009 to August 2012• Project Assistant, Turkey Demographic and Health Survey-2008 November 2008 to December 2009	
ADDITIONAL TRAINING	<ul style="list-style-type: none">• Demographic Applications of Bayesian Models, Max Planck Institute for Demographic Research June 2016• Hierarchical Modelling of Spatial and Temporal Data, University of Southampton June 2015	

- Time Series Analysis, Certificate/Diploma/MSc in Official Statistics, University of Southampton February 2015
- Generating Synthetic Data for Statistical Disclosure Control, ADRC-E, University of Southampton December 2014
- Probabilistic Population Projections: Theory and Practice, Max Planck Institute for Demographic Research November 2014
- Analysis of Linked Datasets, ADRC-E, University of Southampton October 2014
- ADRN Accreditation Training, ADRC-E, University of Southampton June 2014
- Data Linkage: From Theory to Practice, ADRC-E, University of Southampton April 2014
- Applied Multilevel Modelling, S3RI, University of Southampton February 2014
- Introduction to Bayesian Analysis and MCMC, University of Southampton April 2013

REFEREED
JOURNAL
PUBLICATIONS

1. **Yildiz, D.**, Munson, J., Vitali, A., Tinati, R. and Holland J. “Using Twitter Data for Demographic Research”, *Demographic Research*, 37(46): 1477-1514, 2017.
2. **Yildiz, D.** and Smith, P. W. F. “Models for combining aggregate level administrative data in the absence of a traditional census”, *Journal of Official Statistics*, 31(3): 431-451, 2015.
3. Turkyilmaz, A. S., Ozgoren, A., **Yildiz, D.** “Differentials in receiving postpartum care of infants and its determinants in Turkey”, *The Turkish Journal of Pediatrics*, 55: 172-179, 2013.
4. **Yildiz, D.**, Koc, I. “The change in the mean number of children of parliament members in Turkey: A comparative analysis with the overall population”, *Turkish Journal of Population Studies*, 30-31: 3-12, 2008-09.

WORKING PAPERS

1. **Yildiz, D.**, Smith, P. W. F. and van der Heijden, P. G. M. “Extending log-linear capture-recapture models to handle erroneous records in linked administrative data to estimate population counts”, *VID Working Paper*: 15/2017.

PAPERS IN
PREPARATION

1. **Yildiz, D.** and Smith, P. W. F. “Assessing uncertainty when combining administrative data to estimate population counts”
2. **Yildiz, D.**, Abel, G., Goujon, A., Vinue Visus, G., Springer, M., Potancokova, M., Bauer, R. “Bayesian reconstruction of populations by age, sex and level of education”

BOOK CHAPTERS

1. Yuksel, I., **Yildiz, D.**, Eryurt, M. A., Irez, M. “Male Contraceptive Use in Turkey: Determinants of Withdrawal and Condom Use”, chapter in *Turkey Demographic and Health Survey 2008 Further Analysis*, ISBN: 978-975-491-290-6, 2010.
2. Turkyilmaz, A. S., Ozgoren, A., **Yildiz, D.**, Bilgin, S., Tezel, B. “Differentials in Receiving Postpartum Care and Its Determinants in Turkey”, chapter in *Turkey Demographic and Health Survey 2008 Further Analysis*, ISBN: 978-975-491-290-6, 2010.

CONSULTANCY
REPORTS

1. **Yildiz, D.** and Adali, T. “Demographic transition and development of Belt and Road countries: Turkey”, Country report, One Belt One Road Initiative, 2017.
2. Raymer, J., **Yildiz, D.**, Smith, P.W.F. “Review of Methods for Estimating Populations with Administrative Data”, Consultancy report for the National Records of Scotland, 2013.

AWARDS	<ul style="list-style-type: none"> ● Joint ONS (Office for National Statistics) - ESRC (Economic and Social Research Council) Doctoral Training Centre (DTC) +3 Research Studentship 2012-2015 ● ESRC Advanced Quantitative Methods (AQM) Enhanced Stipend 2012-2015 ● Max Planck Institute for Demographic Research scholarship to attend Probabilistic Population Projections course, worth €500 2014 ● Cathie Marsh Bursary to attend the RSS 2015 Conference, worth £200 2015
ORAL PRESENTATIONS	<ul style="list-style-type: none"> ● International Union for the Scientific Study of Population, XXVIII International Population Conference discussant, Cape Town, South Africa October 2017 ● British Society for Population Studies, Liverpool, UK September 2017 ● Population Association of America Annual Meeting, Chicago, USA April 2017 ● British Society for Population Studies, Winchester, UK September 2016 ● Royal Statistical Society International Conference, Exeter, UK September 2015 ● Joint Statistical Meetings, Seattle, USA August 2015 ● Royal Statistical Society International Conference, Sheffield, UK September 2014 ● European Conference on Quality in Official Statistics, Vienna, Austria June 2014 ● 36th Annual Research Students' Conference in Probability, Statistics and Social Statistics, Lancaster, UK March 2013 ● I. Ulusal Nufusbilim Kongresi (I. National Population Studies Congress), Ankara, Turkey October 2010
POSTER PRESENTATIONS	<ul style="list-style-type: none"> ● International Union for the Scientific Study of Population, XXVIII International Population Conference, Cape Town, South Africa October 2017 ● 29th International Workshop on Statistical Modelling, Gottingen, Germany July 2014 ● The Beyond 2011 Research Conference, Southampton, UK May 2013 ● European Population Conference (EPC), Vienna, Austria September 2010
TEACHING EXPERIENCE	<p>Social Statistics and Demography, University of Southampton</p> <ul style="list-style-type: none"> Research Methods in the Social Sciences (BSc), Semester 1 2015-16 Quantitative Methods I (MSc), Semester 1 2015-16 Introduction to Quantitative Methods (BSc), Semester 2 2014-15 Quantitative Methods I (intensive) (MSc), Semester 2 2014-15 Quantitative Methods I (MSc), Semester 2 2014-15 Research Methods in the Social Sciences (BSc), Semester 1 2014-15 <p>Institute of Population Studies, Hacettepe University</p> <ul style="list-style-type: none"> Sampling Techniques (MSc), Semester 2 2010-11 Social Survey Methodology (MSc), Semester 1 2010-11
MEMBERSHIPS	<ul style="list-style-type: none"> ● Population Association of America, Member, 2017-Present ● The American Statistical Association, Member 2015-2016 ● The Royal Statistical Society, Member 2014-2016 ● Statistical Modelling Society, Member 2014-2016 ● European Association for Population Studies, Member 2010-11 ● Turkish Population Association, Member 2009-Present ● METU Statistics Club, Member 2005-08 ● METU Alpar Kilinc Go Club, Vice president 2002-03
REFERENCES	Available upon request