

Dilek Yildiz

CONTACT INFORMATION	International Institute for Applied Systems Analysis Schlossplatz 1, 2361 Laxenburg, Austria dilek.yildiz@oeaw.ac.at yildiz@iiasa.ac.at https://orcid.org/0000-0001-6192-0634	
EDUCATION	Ph.D., Social Statistics and Demography University of Southampton, Southampton, UK Thesis: <i>Methods for Combining Administrative Data to Estimate Population Counts</i>	3 May 2016
	M.Sc., Economic and Social Demography Hacettepe University, Ankara, Turkey Thesis: <i>Sampling Error Estimation by Using Different Methods and Software in Complex Samples</i>	August 2011
	B.Sc., Statistics Middle East Technical University, Ankara, Turkey	September 2008
ACADEMIC POSITIONS	International Institute for Applied Systems Analysis (Research Scientist) Research Group: Population and Just Societies Program	July 2017 onwards
	<ul style="list-style-type: none">• Future Migration Scenarios for Europe (<i>WP leader</i>)• Wittgenstein Centre Population Projections Update• Years of Good Life• Demographic and Human Capital Scenarios for the 21st Century: 2018 assessment for 201 countries• Global Migration and Educational Expansion: Scenarios and Projections of Population-level Interactions	December 2019 to May 2023 October 2021 onwards January 2018 to December 2019 December 2017 to April 2018 July 2017 to January 2018
	Vienna Institute of Demography (Research Scientist) Research Group: Human Capital Data Lab	February 2016 - January 2022
	<ul style="list-style-type: none">• Bayesian reconstruction of populations and vital rates by educational attainment (<i>Principal Investigator</i>)• Quality of Education• Measuring Labour Mobility and Migration Using Big Data• Wittgenstein Centre Human Capital Data Explorer• Combining Traditional and Emerging Big Data Sources to Model Population Movement Patterns	May 2020 to December 2021 September 2019 to January 2022 January 2018 to February 2019 December 2017 to January 2022 February 2016 to February 2017
	University of Vienna (Guest lecturer)	2021/2022 Academic year
	<ul style="list-style-type: none">• Migration, spatial distribution and urbanization, Master in Global Demography	
	University of Southampton (Researcher)	
	<ul style="list-style-type: none">• Using Twitter Data for Population Estimates• Assessing Adaptive Cluster Sampling for Accessing the Pastoralist Population, Afar, Ethiopia	February 2015 to June 2016 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 (Turkey DHS-2008)

November 2008 to December 2009

RESEARCH INTERESTS

Migration estimation, multi-dimensional demography, data combining, Bayesian modelling, big/social media data sources, digital demography, population projections, wellbeing, quality of education

PUBLICATIONS

Note on list of publications: *Equal contribution and authors are listed alphabetically

- **Yildiz, D.** and Abel, G. “Migration data challenges and opportunities” chapter in Handbook of Migration and Technology, Edward Elgar Publishing, ISBN: 978 1 83910 060 4, December 2021.
- **Yildiz, D.**, Arslan H., Cavlin, A. “Understanding women’s wellbeing in Turkey”, Vienna Yearbook of Population Research (19), DOI: 10.1553/populationyearbook2021.res2.3, 2021.
- Lutz, W., Striessnig E., Dimitrova A.*, Ghislandi, S.*, Lijadia, A.*, Reiter, C.*, Spitzer, S.*, **Yildiz, D.*** “Years of Good Life (YoGL): A wellbeing indicator designed to serve as sustainability criterion”, Proceedings of the National Academy of Sciences of the United States of America, 118(12), DOI: 10.1073/pnas.1907351118.
- Lutz, W., Reiter, C., Özdemir, C., **Yildiz, D.**, Guimaraes, R., Goujon, A., “Skills-adjusted human capital shows rising global gap”, Proceedings of the National Academy of Sciences of the United States of America, 118(7), DOI: 10.1073/pnas.2015826118, 2021.
- Gendronneau, C., Wisniowski, A., **Yildiz, D.**, Zagheni, E., Fiorio, L., Hsiao, Y., Stepanek, M., Weber, I., Abel, G., Hoorens, S. “Measuring Labour Mobility and Migration Using Big Data: Development of a Method to Measure Mobility Flows and Stocks within the EU Based on Data from Social Media.” *European Commission Directorate - General for Employment, Social Affairs and Inclusion*, DOI: 10.2767/474282, 2019.
- Potančokova, M., **Yildiz, D.** “Future demographic trends in Eastern Europe and Central Asia”, chapter in *Demographic and Human Capital Scenarios for the 21st Century: 2018 assessment for 201 countries*, DOI: 10.2760/41776, 2018.
- KC, S., Lutz, W., Potančokova, M., Abel, G.*, Barakat, B.*, Eder, J.*, Goujon, A.*, Jurasszovich, S.*, Sobotka, T.*, Springer, M.*, Striessnig, E.*, Wurzer, M.*, **Yildiz, D.***, Hyun Yoo, S.*, Zeman, K.* “Approach, methods and assumptions”, chapter in *Demographic and Human Capital Scenarios for the 21st Century: 2018 assessment for 201 countries*, DOI: 10.2760/41776, 2018.
- **Yildiz, D.**, Munson, J., Vitali, A., Tinati, R. and Holland J. “Using Twitter Data for Demographic Research”, *Demographic Research*, 37(46): 1477-1514, 2017.
- **Yildiz, D.**, 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.
- 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.
- **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.

RESEARCH
ACHIEVEMENTS

- Third-party funding
 - Principal Investigator, Austrian Academy of Sciences Innovation Fund “Research, Science and Society” 2020-2021
 - Work package leader, “Future Migration Scenarios for Europe” European Commission Horizon 2020 project 2020-2022
 - Joint Office for National Statistics-Economic and Social Research Council Doctoral Training Centre +3 Research Studentship 2012-2015
- Invited presentations and lectures
 - “Innovative ways to estimating migration”, Families in Global Transition Conference, online conference March 2022
 - “Use of R in demography”, United Nations Population Fund Colombia, R Day on Demography and Population, online conference July 2021
 - “Using R in demography” (in Turkish), Why R? Turkey Conference, online conference April 2021
 - “A Bayesian approach on reconstructing multistate populations and education specific fertility rates”, United Nations expert group meeting on Methods for the World Population Prospects 2021 and Beyond April 2020
 - “Measurement and methods in estimating international migration” in Migration and Development, BSc Lecture, University of East Anglia, UK October 2019
 - “Demographic research” in Contemporary Migration Research, MSc Lecture, Masaryk University, Czech Republic March 2019
 - “A new era for migration data? Innovative methodologies and data integration”, EuroScience Open Forum, Panel, Toulouse, France July 2018
 - “Probabilistic methods for combining internal migration data”, University of Manchester, UK March 2017
- Supervisor in IIASA Young Scientists Summer Program 2020, 2021, 2022
- Reviewer: Demography, Applied Geography, Population and Environment, Journal of Official Statistics, IUSSP 2021
- Scientific committee member, ‘Why R? Turkey 2022’ Conference
- Scientific committee member, ‘Turkey 5th Population Studies Conference: Turkey and Migration’, 2022