

Sezgin Ciftci, PhD

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Orcid ID: 0000-0001-7043-1760

EDUCATION

- Middle East Technical University** Ankara, Turkey
Ph.D. in Statistics October 2012–November 2020
– Thesis Topic: Bayesian Model Pooling For The Analysis Of Generalized Linear Models With Missing-Not-At-Random Covariates
- Hasselt University** Hasselt, Belgium
Erasmus Exchange at Biostatistics February 2017 –July 2017
- Middle East Technical University** Ankara, Turkey
M.S. in Actuarial Sciences September 2009–September 2012
– Thesis Topic: Risk Analysis Based On Spatial Analysis Of Chronic Obstructive Pulmonary Disease (COPD) And Lung Cancer With Respect To Provinces In Turkey
- Middle East Technical University** Ankara, Turkey
B.S. in Statistics September 2004–June 2009

EXPERIENCE

- Temple University** Philadelphia, PA, USA
Assistant Professor of Instruction January 2022 - Present
– Department of Epidemiology and Biostatistics, College of Public Health
- Baskent University** Ankara, Turkey
Lecturer April 2015 - December 2022
– Department of Insurance, Faculty of Commercial Sciences
- University At Albany, SUNY** Albany, NY, USA
Research Scholar September 2017 - February 2018
– Department of Biostatistics and Epidemiology
- Baskent University** Ankara, Turkey
Research Assistant February 2011 - March 2015
– Department of Insurance, Faculty of Commercial Sciences

PUBLICATIONS

ARTICLES

In-progress

1. (*In preperation*) **Ciftci, S.**, Whitman, I., Deak, A. (2024). Reducing Unnecessary Preoperative Cardiology Referral and Cost in Patients Undergoing Bariatric Surgery

(In Peer-Review Process) **Çiftçi, S.**, Kalaylıoğlu, Z. (2022). A Bayesian Hybrid Method For The Analysis of Generalized Linear Models with Missing-Not-At-Random Covariates *Journal of Statistical Computation and Simulation*

Peer-Reviewed

1. Cula, S., Muluk, Z., **Çiftçi, S.** (2016). Sigorta Personelinin Sigorta Eğitimi Konusunda Görüşleri. *Journal of Insurance Research/Sigorta Arastirmalari Dergisi*, 12.
2. **Çiftçi, S.**, Düzgün, Ş., Erkan, B.B. (2014). Risk analysis based on spatial analysis of chronic obstructive pulmonary disease (COPD) with respect to provinces in Turkey. *Journal of Computational and Applied Mathematics*.

ORAL PRESENTATIONS AND POSTERS

1. (Oral Presentation) **Çiftçi, S.** (2021) Filtering Best Models Containing Missing Covariates by Using T-step Occam's Window. *4th International Conference on Data Science and Applications (ICONDATA '21)*, 04/06/2021 - 06/06/2021, Online
2. (Oral Presentation) Tuzun, I. K., Takay, B. A., Batur, U., **Çiftçi, S.** (2015) A Research on Women Entrepreneurship in Turkey. *OFEL 2015 : 3rd international OFEL Conference on Governance, Management and Entrepreneurship* (p. 967). 17/04/2015 - 18/04/2015, Dubrovnik, Croatia
3. (Poster) **Çiftçi, S.**, Evkaya, O. (2013) The Prediction of Turkish Local Derby Matches. *8th International Statistical Congress (ISKON)*. 28/10/2013 - 30/10/2013, Antalya, Turkey.
4. (Oral Presentation) Açıklım S, Kuyucuoğlu, Ö., **Çiftçi, S.** (2013) The Application of Data Protection Insurance Against Cyber Attacks and Cyber Attack Liability Insurance in Turkey. / Siber Saldırlara Karşı Veri Koruma Sigortası ve Siber Saldırı Mali Sorumluluk Sigortasının Türkiye'deki Yeri ve Uygulaması. *1. Ulusal Sigorta ve Aktüerya Kongresi*. 06/06/2013 - 07/06/2013, Ankara, Turkey
5. (Oral Presentation) **Çiftçi, S.**, Düzgün, Ş., Erkan, B.B. (2012) Spatial Analysis of Chronic Obstructive Pulmonary Disease (COPD) on The Basis of Provinces in Turkey with Regards to Actuarial Risk Assessments. *International Conference on Applied and Computational Mathematics (ICACM)*. 03/10/2012 - 06/10/2012, Middle East Technical University, Ankara, Turkey

TEACHING (LAST 4 SEMESTERS)

- **Assistant Professor** at Temple University, College of Public Health Spring 2024
Graduate Courses
 - Biostatistics and Applied Analysis of Health (EPBI5006, 4.5 Credits)
 - Multivariable Biostatistics (EPBI8012, 3 Credits)Undergraduate Courses
 - Biostatistics and Public Health (EPBI2219, 3 Credits)
- **Assistant Professor** at Temple University, College of Public Health Fall 2023
Graduate Courses
 - Biostatistics (EPBI5002, 3 Credits)
 - Biostatistics and Applied Analysis of Health (EPBI5006, 4.5 Credits)

- Data Management and Analysis (EPBI8208, 3 Credits)

Undergraduate Courses

- Biostatistics and Public Health (EPBI2219, 3 Credits)

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- Data Management and Analysis (EPBI8208, 3 Credits)

Undergraduate Courses

- Biostatistics and Public Health (EPBI2219, 3 Credits)

PROJECTS

- The role of unobserved cholera: implications for prevention and control. January 2024 - Present
Funding: National Institute of Allergy and Infectious Diseases (1 K22 AI168389-01)
PI: Kirsten Wiens
Role: Data Analyst
- Significant Reduction in Length of Stay in DIEP Flap Breast Reconstruction with Implementation of Multimodal ERAS Protocol: 2 year review January 2024 - Present
Funding: Fox Chase Cancer Center
PI: Sameer A. Patel
Role: Data Analyst
- Criminological Profile of Persons Convicted of Drug Use Crimes in Turkey. 2020
Republic of Turkey Ministry of Interior Department of Internal Security Strategies
Role: Project Researcher
- Criminological Profile of Perpetrators of Violence Against Women in Turkey. 2020
Republic of Turkey Ministry of Interior Department of Internal Security Strategies
Role: Project Researcher
- Turkey Life Tables Renewal Project 2017
Turkish Insurance Association. 2015-2017
Role: Project Researcher

- Women's Entrepreneurship in Ankara; Recommendations and Roadmap. 2013
Ankara Development Agency
Role: Project Researcher

EXTRACURRICULAR ACTIVITIES

- Faculty Mentor February 2024 - Present
Rotary Club
Temple University
- Invited Lecturer for Internal Medicine Residents 12.6.2023
Introduction to Biostatistics: Understanding The Basic Statistical Concepts
Lewis Katz School of Medicine at Temple University Hospital
- Invited Co-leader of Workshop to Eta Sigma Gamma Students 3.23.2023
Introduction to statistical software: R and SAS
College of Public Health, Temple University
- Invited Lecturer for Internal Medicine Residents 11.9.2022
Hypothesis Testing Procedures: T-tests
Lewis Katz School of Medicine at Temple University Hospital
- Peer Reviewer 2022 - Present
Journals: BMJ, INQUIRY
- Course Development and Update 2022 - Present
EPBI5006 - Biostatistics and Applied Analysis of Health

SKILLS

- **Programming Software Tools:** R, RStudio, SAS, Matlab, SPSS, OpenBUGS, ArcGIS, Tableau, Latex, Microsoft Office, Photoshop
- **Operating Systems:** Windows, MacOS, Linux
- **Certificates:**
 - Biomedical Research (CITI Training Program)
 - Good Clinical Practice (CITI Training Program)
 - Practice Runs Training (CITI Training Program)
 - Qualitative Data Analysis with MaxQDA

SCHOLARSHIPS AND AWARDS

- Research Scholarship 2017

International Research Fellowship Programme for PhD Students, The Scientific and Technological Research Council of Turkey

- Most Successful Student 2011
2009-2010 Academic Year Graduate Courses Performance Award, Middle East Technical University, Ankara, Turkey