

## Res. Asst. PhD AYFER EZGİ YILMAZ

### Personal Information

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### Education Information

Doctorate, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, İstatistik, Turkey 2013 - 2017

Postgraduate, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, İstatistik, Turkey 2010 - 2013

Undergraduate, Hacettepe Üniversitesi, Fen Fakültesi, İstatistik, Turkey 2005 - 2010

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Doctorate, Karesel olumsuzluk tablolarında düzey ayırt edilebilirliği ve uyum, Hacettepe Üniversitesi, Fen Fakültesi, İstatistik Bölümü, 2017

Postgraduate, Sıralanabilir karesel olumsuzluk tablolarında uyum parametresi içeren ilişki modelleri, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, İstatistik (YI) (Tezli), 2013

### Research Areas

Statistics, Statistical Analysis and Applications, Natural Sciences

### Academic Titles / Tasks

Research Assistant PhD, Hacettepe University, Fen Fakültesi, İstatistik Bölümü, 2012 - Continues

Research Assistant, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Graduate School Of Natural And Applied Sciences, 2011 - 2012

### Courses

İST294, Undergraduate, 2017 - 2018

İstatistiğe Giriş, Undergraduate, 2017 - 2018

### Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. Intra- and Inter-Rater Reliability of a Well-Used and a Less-Used IsoMed 2000 Dynamometer for

### **Knee Flexion and Extension Peak Torque Measurements in a Concentric Test in Athletes**

Kocahan T., Akinoglu B., YILMAZ A. E. , Rosemann T., Knechtle B.

APPLIED SCIENCES-BASEL, vol.11, no.11, 2021 (Journal Indexed in SCI)

- II. **Effects of charcoal-based whitening toothpastes on human enamel in terms of color, surface roughness, and microhardness: an in vitro study**  
KOÇ VURAL U., BAĞDATLI Z., YILMAZ A. E. , YALÇIN ÇAKIR F., ALTUNDAŞAR E., Gurgan S.  
CLINICAL ORAL INVESTIGATIONS, 2021 (Journal Indexed in SCI)
- III. **Current Predictive Resting Metabolic Rate Equations Are Not Sufficient to Determine Proper Resting Energy Expenditure in Olympic Young Adult National Team Athletes**  
Balci A., Badem E. A. , YILMAZ A. E. , DEVRİM LANPİR A., Akinoglu B., Kocahan T., Hasanoglu A., Hill L., Rosemann T., Knechtle B.  
FRONTIERS IN PHYSIOLOGY, vol.12, 2021 (Journal Indexed in SCI)
- IV. **Agreement and adjusted degree of distinguishability for square contingency tables**  
YILMAZ A. E. , SARAÇBAŞI T.  
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.48, no.2, pp.592-604, 2019 (Journal Indexed in SCI)
- V. **Ridit and exponential type scores for estimating the kappa statistic**  
Yılmaz A. E. , Aktas S.  
KUWAIT JOURNAL OF SCIENCE, vol.45, no.1, pp.89-99, 2018 (Journal Indexed in SCI)
- VI. **Autocorrelation corrected standard error for two sample t-test under serial dependence**  
YILMAZ A. E. , Aktas S.  
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.46, no.6, pp.1199-1210, 2017 (Journal Indexed in SCI)
- VII. **The effect of changing scores for multi-way tables with open-ended ordered categories**  
YILMAZ A. E. , SARAÇBAŞI T.  
Hacettepe Journal of Mathematics and Statistics, vol.45, no.6, pp.1881-1890, 2016 (Journal Indexed in SCI)
- VIII. **Thrombophilic polymorphisms are not associated with disease-free survival in breast cancer patients**  
Eroglu A., YILMAZ A. E. , Karasoy D.  
INTERNATIONAL JOURNAL OF CLINICAL AND EXPERIMENTAL MEDICINE, vol.8, no.5, pp.8115-8121, 2015 (Journal Indexed in SCI)

### **Articles Published in Other Journals**

- I. **Inter-Rater Agreement under Stratified Random Sampling Scheme**  
YILMAZ A. E. , AKTAŞ ALTUNAY S.  
International Journal of Advances in Engineering and Pure Sciences, vol.32, no.3, pp.297-294, 2020 (Refereed Journals of Other Institutions)
- II. **Latent Class Models Approach to the Multi-rater Agreement**  
YILMAZ A. E. , AKTAŞ ALTUNAY S.  
International Journal of Applied Mathematics and Statistics, vol.57, 2018 (Refereed Journals of Other Institutions)
- III. **An analysis of road traffic accidents in Turkey using logit models**  
YILMAZ A. E.  
Journal of Statisticians: Statistics and Actuarial Sciences, vol.10, no.1, pp.11-22, 2017 (Other Refereed National Journals)
- IV. **MODELING ASSOCIATION PLUS AGREEMENT AMONG MULTI-RATERS FOR ORDERED CATEGORIES**  
YILMAZ A. E.  
STATISTICA, vol.77, no.4, pp.353-368, 2017 (Journal Indexed in ESCI)
- V. **Assessing agreement between raters from the point of coefficients and loglinear models**  
Yılmaz A. E. , Saraçbaşı T.  
Journal of Data Science, vol.15, no.1, pp.1-24, 2017 (Refereed Journals of Other Institutions)

- VI. **Karesel Tablolarda Üstel Skorlu illiski Simetrik Uyumsuzluk Modeli**  
YILMAZ A. E. , SARAÇBAŞI T.  
Türkiye Klinikleri Journal of Biostatistics, vol.7, no.2, pp.96-102, 2015 (Refereed Journals of Other Institutions)
- VII. **Yaşam çözümlenmesinde cox orantılı tehlikeler ve orantılı odds modelleri**  
YILMAZ A. E. , KARASOY D., Eroğlu A.  
İSTATİSTİKÇİLER DERGİSİ:İSTATİSTİK VE AKTÜERYA, vol.6, pp.70-78, 2013 (Other Refereed National Journals)

## Books & Book Chapters

- I. **SPSS ve R Uygulamalı Kategorik Veri Çözümlemesi**  
Aktaş Altunay S., Yılmaz A. E. , Bahçecitapar M., Bakacak Karabenli L.  
Seçkin Yayıncılık, Ankara, 2021

## Refereed Congress / Symposium Publications in Proceedings

- I. **Ridit and Exponential Weights for Multi-rater Agreement Studies in Latent Class Models**  
YILMAZ A. E. , AKTAŞ ALTUNAY S.  
IRSYSC 2018, İzmir, Turkey, 28 - 30 April 2018
- II. **Measuring Degree of Distinguishability and Agreement in Ordinal Rating Scales**  
YILMAZ A. E. , AKTAŞ ALTUNAY S.  
XIX. Ulusal ve II. Uluslararası Biyoistatistik Kongresi, 25 - 28 October 2017
- III. **Latent class models approach to the rater agreement in ordered square contingency tables**  
YILMAZ A. E. , AKTAŞ ALTUNAY S.  
61st World Statistics Congress, MARAKEŞ, Morocco, 16 - 21 July 2017
- IV. **LATENT CLASS MODELS APPROACH TO THE RATER AGREEMENT**  
YILMAZ A. E. , AKTAŞ ALTUNAY S.  
58th Annual Conference of the South African Statistical Association, Cape-Town, South Africa, 28 November - 01 December 2016
- V. **Confidence Interval for Kappa Coefficient under Stratified Sampling**  
YILMAZ A. E. , AKTAŞ ALTUNAY S.  
8th conference of the Eastern Mediterranean Region of the International Biometric Society, 11 - 15 May 2015
- VI. **Departure from Uniform Association in Square Contingency Tables**  
AKTAŞ ALTUNAY S., YILMAZ A. E.  
11th Applied Statistics 2014, International Conference, Ribno, Slovenia, 21 - 24 September 2014
- VII. **Ridit and Exponential Type Scores for Estimating Kappa Statistics**  
AKTAŞ ALTUNAY S., YILMAZ A. E.  
11th Applied Statistics 2014, International Conference, Ribno, Slovenia, 21 - 24 September 2014
- VIII. **A Study to Compare the Road Traffic Accidents by Statistical Models on Yearly Basis**  
YILMAZ A. E. , SARAÇBAŞI T.  
y-BIS 2013: The Joint Meeting of Young Business and Industrial Statisticians, İstanbul, Turkey, 19 - 21 September 2013
- IX. **Two Sample t Test Under Serial Dependence**  
AKTAŞ ALTUNAY S., YILMAZ A. E.  
ENBIS-2013, Ankara, Turkey, 15 - 19 September 2013
- X. **The Effect of Changing Scores for Multiway Tables with Open ended Ordered Categories**  
YILMAZ A. E. , SARAÇBAŞI T.  
Joint Meeting of y-BIS and jSPE, Lizbon, Portugal, 23 - 26 July 2013
- XI. **Association plus Agreement Models for Multiraters**  
YILMAZ A. E. , SARAÇBAŞI T.

European Conference on Data Analysis by The German Classification Society (GfKl) and the French speaking Classification Society (SFC), Luxembourg, 10 - 12 July 2013

## Supported Projects

AKTAŞ ALTUNAY S., YILMAZ A. E. , Project Supported by Higher Education Institutions, Sıralanabilir Ölçeklerde Ayırt Edilebilirlik Derecesi ve Uyumun Ölçülmesi, 2017 - 2017

YILMAZ A. E. , SARAÇBAŞI T., Project Supported by Higher Education Institutions, Açık uçlu değişkenlere sahip çok boyutlu olumsuzluk tablolarında skor değişimlerinin etkisi, 2017 - 2017

SARAÇBAŞI T., YILMAZ A. E. , AKTAŞ ALTUNAY S., Project Supported by Higher Education Institutions, Değerlendirici Uyumunda Gizli Sınıf Modelleri Yaklaşımı, 2016 - 2017

YENİAY M. Ö. , TURFAN D., AKTAŞ ALTUNAY S., YILMAZ A. E. , Project Supported by Higher Education Institutions, Güney Afrika İstatistik Derneği, Cape Town Üniversitesi, 2016 İstatistik Konferansı, 2016 - 2017

YILMAZ A. E. , Project Supported by Higher Education Institutions, Gözlenen Geçiş Olaylarında Uyum, 2015 - 2017

## Activities in Scientific Journals

HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, Technical Redactor, 2020 - Continues

## Citations

Total Citations (WOS):12

h-index (WOS):2