

## Res. Asst. PhD ÖZLEM AKAY

### Personal Information

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### International Researcher IDs

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### Education Information

Doctorate, Cukurova University, Fen Bilimleri Enstitüsü, İstatistiksel Bilgi Sistemleri, Turkey 2013 - 2018

Postgraduate, Selcuk University, Institute Of Science, İstatistik Ana Bilim Dalı, Turkey 2008 - 2011

Undergraduate, Selcuk University, Faculty Of Arts And Sciences, Department Of Statistics, Turkey 2004 - 2008

### Dissertations

Postgraduate, Cep Telefonu Seçiminin Bulanık Analitik Hiyerarşi ve Bulanık Analitik Ağ Süreci ile Belirlenmesi, Selcuk University, İstatistik, İstatistik, 2011

### Research Areas

Statistics, Statistical Analysis and Applications, Natural Sciences

### Academic Titles / Tasks

Research Assistant PhD, Cukurova University, Fen-Edebiyat Fakültesi, İstatistik, 2011 - Continues

### Published journal articles indexed by SCI, SSCI, and AHCI

- I. **DETERMINATION OF THE FACTORS AFFECTING AIR POLLUTION BY ANALYSIS OF CLUSTERED MIXED-TYPE PANEL DATA**  
AKAY Ö., YÜKSEL G.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.29, no.1, pp.659-671, 2020 (SCI-Expanded)
- II. **Investigation into the relationship between fatal work accidents, national income, and employment rate in developed and developing countries**  
Kahraman E., Akay Ö., Kılıç A. M.  
JOURNAL OF OCCUPATIONAL HEALTH, vol.61, pp.213-218, 2019 (SCI-Expanded)
- III. **Hierarchical clustering of mixed variable panel data based on new distance**  
Akay Ö., Yüksel G.  
COMMUNICATIONS IN STATISTICS-SIMULATION AND COMPUTATION, 2019 (SCI-Expanded)

- IV. **Clustering the mixed panel dataset using Gower's distance and k-prototypes algorithms**  
AKAY Ö., YÜKSEL G.  
COMMUNICATIONS IN STATISTICS-SIMULATION AND COMPUTATION, vol.47, no.10, pp.3031-3041, 2018 (SCI-Expanded)

## Articles Published in Other Journals

- I. **The Impact of the COVID-2019 on Mining Export Revenue in Turkey**  
AKAY Ö., KAHRAMAN E.  
International Journal Natural and Engineering Sciences (IJNES), vol.16, no.2, pp.75-82, 2022 (Peer-Reviewed Journal)
- II. **The Factors Affecting Textile Production Amounts of Leading Countries in Textile Export: Dynamic Panel Data Analysis**  
AKAY Ö., GÜNDÜZ S., GÜNDÜZ F. F.  
Nicel Bilimler Dergisi, vol.2, no.2, 2020 (Peer-Reviewed Journal)
- III. **A Comparison of the Relationship Between Electricity Consumption and Gross Domestic Product According to Development Status of Countries**  
AKAY Ö., KAHRAMAN E., KILIÇ A. M.  
NATURENGS, vol.1, no.1, pp.1-10, 2020 (Peer-Reviewed Journal)
- IV. **Determination of the Factors Affecting Cotton Export of Turkey: A Panel Gravity Model Approach**  
GÜNDÜZ F. F., AKAY Ö., GÜNDÜZ S., ÖZÇİÇEK DÖLEKOĞLU C.  
Akademik Hassasiyetler, vol.7, no.13, pp.547-564, 2020 (Peer-Reviewed Journal)
- V. **DEMOGRAFİK FAKTÖRLERE GÖRE KONUT TALEBİ İÇİN TÜRKİYE İLLERİNİN UYGUN KÜMELEME YÖNTEMİYLE SINIFLANDIRILMASI**  
çelik c., AKAY Ö., KIRAL G.  
Akademik Hassasiyetler, 2019 (Peer-Reviewed Journal)
- VI. **Kağıt ve Kağıt Ürünleri Üretimi ve Gayri Safi Yurt içi Hasılabın Elektrik Enerjisi Tüketimine Etkisi**  
AKAY Ö.  
Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, pp.1006-1012, 2019 (Peer-Reviewed Journal)
- VII. **Konut Talebine Göre Benzer Özellik Gösteren Türkiye İllerinin Panel Veri Kümeleme Analizi ile Belirlenmesi**  
AKAY Ö., çelik c., KIRAL G.  
Uluslararası Ekonomi ve Yenilik Dergisi, 2019 (Peer-Reviewed Journal)
- VIII. **Türkiye’de Halk Kütüphanesi Kullanımının Panel Veri Kümeleme Analizi ile İncelenmesi**  
AKAY Ö.  
OPUS Uluslararası Toplum Araştırmaları Dergisi, 2019 (Peer-Reviewed Journal)
- IX. **Cep Telefonu Seçiminin Bulanık Analitik Hiyerarşi ve Bulanık Analitik Ağ Süreci ile Belirlenmesi**  
AKAY Ö., YAPICI PEHLİVAN N.  
Selçuk Üniversitesi Sosyal Bilimler Enstitüsü Dergisi, no.40, pp.161-175, 2018 (Peer-Reviewed Journal)
- X. **Prediction of Grain Products in Turkey**  
AKAY Ö., BOZKURT G., YÜKSEL G.  
Journal of Mathematics and Statistics, vol.13, no.3, pp.220-230, 2017 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Hipotez Testi**  
ÇALIŞ N., TABAKAN G., KIRAL E., İNAN D., ALIN A., KIRAL G., AKAY Ö., ALTAŞ D., ŞENGÜL S., OĞUZHAN A., et al.  
in: İşletme, İktisat ve Sosyal Bilimler İçin İstatistik (Excel, SPSS, R ve Matlab Uygulamalı), Seda Şengül, Gülsen Kral, Editor, Nobel, Ankara, pp.237-270, 2020

## Refereed Congress / Symposium Publications in Proceedings

- I. **ADANA'DA FARKLI SEKTÖRLERDE ÇALIŞAN BİREYLERİN İŞMEMNUNİYETİNİN İNCELENMESİ**  
AKAY Ö., KIRAL G.  
5. Avrasya Uygulamalı Bilimler Kongresi, 15 - 17 November 2019
- II. **Clustering with Genetic Algorithm: A Simulation Study**  
TEKELİ E., AKAY Ö., YÜKSEL G.  
5th International Researchers, Statisticians and Young Statisticians Congress, 18 - 20 October 2019
- III. **Konut Fiyatlarını Etkileyen Faktörler: Türkiye Örneği**  
KIRAL G., Çelik c., AKAY Ö.  
Akdeniz Zirvesi 2. Uluslararası Uygulamalı Bilimler Kongresi, 18 - 20 October 2019
- IV. **Gurbetçi Türkler İle Yabancı Ülke Vatandaşlarının Türkiye'deki Konut Taleplerinin İncelenmesi**  
AKAY Ö., ÇELİK C., KIRAL G.  
Akdeniz 2. Uluslararası Uygulamalı Bilimler Kongresi, Hatay, Turkey, 18 - 19 October 2019
- V. **BULANIK ZAMAN SERİSİ İLE SATIŞ PERFORMANSI TAHMİNİ**  
AKAY Ö., ALTINDAĞ İ.  
ÇUKUROVA 3. ULUSLARARASI BİLİMSEL ARAŞTIRMALAR KONGRESİ, 3 - 06 October 2019, pp.449-457
- VI. **Evaluation of Relationship between Electricity Consumption and Gross Domestic Product Using Panel Data**  
AKAY Ö., KAHRAMAN E., KILIÇ A. M.  
3th International Mediterranean Science and Engineering Congress (IMSEC 2018), Turkey, 24 - 26 October 2018, pp.164-168
- VII. **Evaluation of Relationship between Electricity Consumption and Gross Domestic Product Using Panel Data Analysis**  
AKAY Ö., KAHRAMAN E., KILIÇ A. M.  
3th International Mediterranean Science and Engineering Congress (IMSEC 2018), Adana, Turkey, 24 - 26 October 2018, pp.164-168
- VIII. **Assembling of Structural Equation Model and Fuzzy Analytic Hierarchy Process Methods: An Application for Residence Selection**  
AKAY Ö., ALTINDAĞ İ.  
11. International Statistics Days Conference, Muğla, Turkey, 3 - 07 October 2018
- IX. **Investigation on the Factors Affecting air Pollution by Clustered Panel Data Analysis**  
AKAY Ö., YÜKSEL G.  
International Conference on Computational and Statistical Methods in Applied Sciences, 9 - 11 November 2017
- X. **Kağıt ve Kağıt Ürünleri Üretiminde Elektrik Enerjisi Tüketimine Etkisi**  
AKAY Ö.  
2nd International Mediterranean Science and Engineering Congress (IMSEC 2017), 25 - 27 October 2017
- XI. **The Effect of Unemployment, Divorce Rate, Internal Migration and Education Status on Crime: an assessment for Turkey**  
AKAY Ö.  
3rd International Researchers, Statisticians and Young Statisticians Congress (3rd IRSYSC-2017), 24 - 26 May 2017
- XII. **Cluster Analysis using Gower's Distance for Panel Data**  
AKAY Ö., YÜKSEL G.  
5th International Eurasian Conference on Mathematical Sciences and Applications, Belgrade, Serbia, 16 - 19 August 2016, pp.190
- XIII. **Prediction of Grain Products in Turkey**  
AKAY Ö., Bozkurt G., YÜKSEL G.  
IECMSA-2014 3rd International Eurasian Conference on Mathematical Sciences and Applications, Viyana, Austria, 25 - 28 August 2014, pp.423

## Supported Projects

AKAY Ö., Project Supported by Higher Education Institutions, Zaman Serisi ile Kümeleme, 2020 - 2021

YÜKSEL G., TEKELİ E., AKAY Ö., Project Supported by Higher Education Institutions, Genetik Algoritma ile Uygun Karma Modelin Seçimi, 2018 - 2020

## Metrics

Publication: 30

Citation (WoS): 18

Citation (Scopus): 20

H-Index (WoS): 2

H-Index (Scopus): 2