

## Doç.Dr. UFUK BEYAZTAŞ

### Kişisel Bilgiler

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### Eğitim Bilgileri

Doktora, Dokuz Eylül Üniversitesi, Fen Bilimleri Enstitüsü, Türkiye 2012 - 2016

Yüksek Lisans, Dokuz Eylül Üniversitesi, Fen Bilimleri Enstitüsü, Türkiye 2010 - 2012

Lisans, Dokuz Eylül Üniversitesi, Fen Fakültesi, İstatistik Bölümü, Türkiye 2005 - 2010

### Yabancı Diller

İngilizce, B2 Orta Üstü

### Yaptığı Tezler

Doktora, Jackknife-after-Bootstrap method as diagnostic tool in generalized linear models, Dokuz Eylül Üniversitesi, Fen Bilimleri Enstitüsü, 2016

Yüksek Lisans, Jackknife-after-bootstrap method for detection of outliers and influential observations in linear regression models, Dokuz Eylül Üniversitesi, Fen Bilimleri Enstitüsü, 2012

### Araştırma Alanları

İstatistik

### Akademik Unvanlar / Görevler

Doç.Dr., Marmara Üniversitesi, Fen - Edebiyat Fakültesi, İstatistik Bölümü, 2021 - Devam Ediyor

Doç.Dr., Piri Reis Üniversitesi, İktisadi Ve İdari Bilimler Fakültesi, Ekonomi Ve Finans Bölümü, 2020 - 2021

Dr.Öğr.Üyesi, Bartın Üniversitesi, Fen Fakültesi, Matematik Bölümü, 2019 - 2020

Dr.Öğr.Üyesi, Bartın Üniversitesi, Fen Fakültesi, İstatistik Bölümü, 2018 - 2019

Araştırma Görevlisi, İstanbul Medeniyet Üniversitesi, Mühendislik Ve Doğa Bilimleri Fakültesi, 2016 - 2018

Araştırma Görevlisi, Dokuz Eylül Üniversitesi, Fen Fakültesi, İstatistik Bölümü, 2012 - 2016

Araştırma Görevlisi, İstanbul Medeniyet Üniversitesi, Fen Fakültesi, 2011 - 2012

### SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

1. **Global solar radiation prediction over North Dakota using air temperature: Development of novel hybrid intelligence model**

Beyaztaş U.

ENERGY REPORTS, cilt.7, ss.136-157, 2021 (SCI Expanded İndekslerine Giren Dergi)

- II. **Prediction of copper ions adsorption by attapulgite adsorbent using tuned-artificial intelligence model**  
Beyaztas U.  
Chemosphere, cilt.276, ss.1-14, 2021 (SCI Expanded İndekslerine Giren Dergi)
- III. **A partial least squares approach for function-on-function interaction regression**  
Beyaztas U., Shang H. L.  
COMPUTATIONAL STATISTICS, 2021 (SCI İndekslerine Giren Dergi)
- IV. **Robust bootstrap prediction intervals for univariate and multivariate autoregressive time series models**  
Beyaztas U., Shang H. L.  
JOURNAL OF APPLIED STATISTICS, 2020 (SCI İndekslerine Giren Dergi)
- V. **Granger causality of bivariate stationary curve time series**  
Shang H. L. , Ji K., Beyaztas U.  
JOURNAL OF FORECASTING, 2020 (SSCI İndekslerine Giren Dergi)
- VI. **BLOCK BOOTSTRAP PREDICTION INTERVALS FOR GARCH PROCESSES**  
BEYAZTAŞ B. H. , Beyaztas U.  
REVSTAT-STATISTICAL JOURNAL, cilt.18, sa.4, ss.397-414, 2020 (SCI İndekslerine Giren Dergi)
- VII. **Prediction of dissolved oxygen, biochemical oxygen demand, and chemical oxygen demand using hydrometeorological variables: case study of Selangor River, Malaysia**  
Salih S. Q. , Alakili I., Beyaztas U., Shahid S., Yaseen Z. M.  
ENVIRONMENT DEVELOPMENT AND SUSTAINABILITY, 2020 (SCI İndekslerine Giren Dergi)
- VIII. **Murine genetic models of obesity: type I error rates and the power of commonly used analyses as assessed by plasmode-based simulation**  
Ejima K., Brown A. W. , Smith D. L. , Beyaztas U., Allison D. B.  
INTERNATIONAL JOURNAL OF OBESITY, cilt.44, sa.6, ss.1440-1449, 2020 (SCI İndekslerine Giren Dergi)
- IX. **A comparison of parameter estimation in function-on-function regression**  
Beyaztas U., Shang H. L.  
COMMUNICATIONS IN STATISTICS-SIMULATION AND COMPUTATION, 2020 (SCI İndekslerine Giren Dergi)
- X. **On function-on-function regression: partial least squares approach**  
Beyaztas U., Shang H. L.  
ENVIRONMENTAL AND ECOLOGICAL STATISTICS, cilt.27, sa.1, ss.95-114, 2020 (SCI İndekslerine Giren Dergi)
- XI. **Prediction of evaporation in arid and semi-arid regions: a comparative study using different machine learning models**  
Yaseen Z. M. , Al-Juboori A. M. , Beyaztas U., Al-Ansari N., Chau K., Qi C., Ali M., Salih S. Q. , Shahid S.  
ENGINEERING APPLICATIONS OF COMPUTATIONAL FLUID MECHANICS, cilt.14, sa.1, ss.70-89, 2020 (SCI İndekslerine Giren Dergi)
- XII. **Functional linear models for interval-valued data**  
Beyaztas U., Shang H. L. , Abdel-Salam A. G.  
COMMUNICATIONS IN STATISTICS-SIMULATION AND COMPUTATION, 2020 (SCI İndekslerine Giren Dergi)
- XIII. **Drought interval simulation using functional data analysis**  
Beyaztas U., Yaseen Z. M.  
JOURNAL OF HYDROLOGY, cilt.579, 2019 (SCI İndekslerine Giren Dergi)
- XIV. **Forecasting functional time series using weighted likelihood methodology**  
Beyaztas U., Shang H. L.  
JOURNAL OF STATISTICAL COMPUTATION AND SIMULATION, cilt.89, sa.16, ss.3046-3060, 2019 (SCI İndekslerine Giren Dergi)
- XV. **Assessment of individual bioequivalence using sufficient bootstrap procedure**  
Beyaztas U.  
PHARMACEUTICAL STATISTICS, cilt.18, sa.3, ss.388-398, 2019 (SCI İndekslerine Giren Dergi)
- XVI. **On Jackknife-After-Bootstrap Method for Dependent Data**  
Beyaztas U., BEYAZTAŞ B. H.

- COMPUTATIONAL ECONOMICS, cilt.53, sa.4, ss.1613-1632, 2019 (SCI İndekslerine Giren Dergi)
- XVII. **Robust change point detection for linear regression models**  
Alin A., Beyaztas U., Martin M. A.  
STATISTICS AND ITS INTERFACE, cilt.12, sa.2, ss.203-213, 2019 (SCI İndekslerine Giren Dergi)
- XVIII. **Construction of functional data analysis modeling strategy for global solar radiation prediction: application of cross-station paradigm**  
Beyaztas U., Salih S. Q. , Chau K., Al-Ansari N., Yaseen Z. M.  
ENGINEERING APPLICATIONS OF COMPUTATIONAL FLUID MECHANICS, cilt.13, sa.1, ss.1165-1181, 2019 (SCI İndekslerine Giren Dergi)
- XIX. **Construction of prediction intervals for Palmer Drought Severity Index using bootstrap**  
Beyaztas U., Arikan B. B. , Beyaztas B. H. , Kahya E.  
JOURNAL OF HYDROLOGY, cilt.559, ss.461-470, 2018 (SCI İndekslerine Giren Dergi)
- XX. **Sufficient m-out-of-n (m/n) bootstrap**  
Alin A., Martin M. A. , Beyaztas U., Pathak P. K.  
JOURNAL OF STATISTICAL COMPUTATION AND SIMULATION, cilt.87, sa.9, ss.1742-1753, 2017 (SCI İndekslerine Giren Dergi)
- XXI. **New block bootstrap methods: Sufficient and/or ordered**  
Beyaztas B. H. , Firuzan E., Beyaztas U.  
COMMUNICATIONS IN STATISTICS-SIMULATION AND COMPUTATION, cilt.46, sa.5, ss.3942-3951, 2017 (SCI İndekslerine Giren Dergi)
- XXII. **Sufficient jackknife-after-bootstrap method for detection of influential observations in linear regression models**  
Beyaztas U., Alin A.  
STATISTICAL PAPERS, cilt.55, sa.4, ss.1001-1018, 2014 (SCI İndekslerine Giren Dergi)
- XXIII. **Delete-2 Jackknife-After-Bootstrap in Regression**  
Beyaztas U., Alin A.  
QUALITY AND RELIABILITY ENGINEERING INTERNATIONAL, cilt.30, sa.7, ss.993-1002, 2014 (SCI İndekslerine Giren Dergi)
- XXIV. **Jackknife-After-Bootstrap as Logistic Regression Diagnostic Tool**  
Beyaztas U., Alin A.  
COMMUNICATIONS IN STATISTICS-SIMULATION AND COMPUTATION, cilt.43, sa.9, ss.2047-2060, 2014 (SCI İndekslerine Giren Dergi)
- XXV. **Robust BCa-JaB method as a diagnostic tool for linear regression models**  
Beyaztas U., Alin A., Martin M. A.  
JOURNAL OF APPLIED STATISTICS, cilt.41, sa.7, ss.1593-1610, 2014 (SCI İndekslerine Giren Dergi)
- XXVI. **Jackknife-After-Bootstrap Method for Detection of Influential Observations in Linear Regression Models**  
Beyaztas U., Alin A.  
COMMUNICATIONS IN STATISTICS-SIMULATION AND COMPUTATION, cilt.42, sa.6, ss.1256-1267, 2013 (SCI İndekslerine Giren Dergi)

## **Diğer Dergilerde Yayınlanan Makaleler**

- I. **Stationary Bootstrap Based Multi-Step Forecasts for Unrestricted VAR Models**  
BEYAZTAŞ U., Abdel-Salam A. G.  
Journal of Data Science, cilt.18, sa.4, ss.682-696, 2020 (Diğer Kurumların Hakemli Dergileri)
- II. **On block bootstrapping for autoregressive time series models**  
BEYAZTAŞ B. H. , BEYAZTAŞ U.  
International Journal of Mathematics and Computation, cilt.30, sa.2, ss.62-75, 2019 (Diğer Kurumların Hakemli Dergileri)

- III. **Iterated sufficient m-out-of-n (m/n) bootstrap for non-regular smooth function models**  
BEYAZTAŞ U., ALIN A., Bandyopadhyay S.  
Journal of Data Science, cilt.16, sa.3, ss.593-604, 2018 (Diğer Kurumların Hakemli Dergileri)
- IV. **Iterated bootstrap procedure in individual bioequivalence**  
BEYAZTAŞ U.  
Communications Series A1: Mathematics and Statistics, cilt.68, sa.1, ss.583-594, 2018 (ESCI İndekslerine Giren Dergi)
- V. **New and Fast Block Bootstrap-Based Prediction Intervals for GARCH(1,1) Process with Application to Exchange Rates**  
BEYAZTAŞ B. H., BEYAZTAŞ U., Bandyopadhyay S., Huang W. M.  
Sankhya A, cilt.80, sa.1, ss.168-194, 2018 (Diğer Kurumların Hakemli Dergileri)

## **Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar**

- I. **Change Point Detection in ARMA(p,q) Process and Application on Headway Data**  
Beyaztaş U.  
International Statistics Congress 2019, Muğla, Türkiye, 04 Ekim 2019, ss.732-743
- II. **On function-on-function regression: Partial least squares approach**  
Beyaztaş U.  
Young Business and Industrial Statisticians Workshop on Recent Advances in Data Science and Business Analytics, İstanbul, Türkiye, 15 Eylül 2019, ss.1
- III. **A case-resampling-based bootstrap method for function-on-function regression**  
Beyaztaş U.  
International Conference on Computational Methods in Applied Sciences, İstanbul, Türkiye, 15 - 20 Temmuz 2019, ss.1
- IV. **Iterated Bootstrap Procedure in Individual Bioequivalence**  
Beyaztaş U.  
International Conference on Applied Analysis and Mathematical Modeling, İstanbul, Türkiye, 14 Haziran 2018, ss.1
- V. **Stationary bootstrap based multi-step forecasts for unrestricted VAR models**  
Beyaztaş U.  
4th International Researchers, Statisticians and Young Statisticians Congress, İzmir, Türkiye, 22 Nisan 2018, ss.1
- VI. **Change point detection in vehicle time headways**  
Beyaztaş U.  
4th International Researchers, Statisticians and Young Statisticians Congress, İzmir, Türkiye, 22 Nisan 2018, ss.1
- VII. **Construction of Prediction Intervals for Palmer Drought Severity Index Using Bootstrap**  
Beyaztaş U.  
8th Atmospheric Sciences Symposium, İstanbul, Türkiye, 01 Kasım 2017, ss.540-543
- VIII. **On Jackknife-after-Bootstrap Method for Dependent Data**  
Beyaztaş U.  
European Network for Business and Industrial Statistics, Naples, İtalya, 15 Eylül 2017, ss.1
- IX. **On Bootstrapping in Individual Bioequivalence**  
Beyaztaş U.  
European Network for Business and Industrial Statistics, Naples, İtalya, 15 Eylül 2017, ss.1
- X. **Sufficient m-out-of-n (m/n) Bootstrap**  
Beyaztaş U.  
The International Conference on Trends and Perspectives in Linear Statistical Inference, İstanbul, Türkiye, 15 Ağustos 2016, ss.1
- XI. **A Weighted Likelihood Ratio Test for Change Point Analysis in Time Series**  
Beyaztaş U.  
The International Conference on Robust Statistics ICORS2016, Geneve, İsviçre, 15 Temmuz 2016, ss.1

- XII. **A New and Fast Block Bootstrap Based Prediction Intervals for GARCH Processes with Application to Exchange Rates**  
Beyaztaş U.  
The International Conference on Robust Statistics ICORS2016, Geneve, İsviçre, 15 Temmuz 2016, ss.1
- XIII. **Robust Change Point Regression**  
Beyaztaş U.  
International Conference on Information Complexity and Statistical Modeling in High Dimensions with Applications, Nevşehir, Türkiye, 15 Mayıs 2016, ss.1
- XIV. **Some Notes on Sufficient Bootstrapping**  
Beyaztaş U.  
The International Conference on Trends and Perspectives in Linear Statistical Inference, Linköping, İsveç, 15 Ağustos 2015, ss.1
- XV. **BCa-JaB Method as a Diagnostic Tool for Linear Regression Models**  
Beyaztaş U.  
18th European Young Statisticians Meetings, Osijek, Hırvatistan, 15 Ağustos 2013, ss.1
- XVI. **Sufficient Jackknife after Bootstrap Method for Detection of Influential Observations in Linear Regression Models**  
Beyaztaş U.  
8th International Symposium of Statistics, Eskişehir, Türkiye, 11 Ekim 2012, ss.77-79
- XVII. **Jackknife-After-Bootstrap as Logistic Regression Diagnostic Tool**  
Beyaztaş U.  
The International Conference on Trends and Perspectives in Linear Statistical Inference, Poznan, Polonya, 15 Temmuz 2012, ss.1
- XVIII. **Jackknife after bootstrap method for detection of influential observations in linear regression models**  
Beyaztaş U.  
New Developments in Theory and Applications of Statistics, Ankara, Türkiye, 02 Mayıs 2011, ss.158-167

## **Desteklenen Projeler**

Beyaztaş U., TÜBİTAK Projesi, Fonksiyonel Veri Analizinde Makine Öğrenmesi ve Kısmi En Küçük Kareler Tabanlı Yeni Öngörü, Tahmin ve Sınıflandırma Yöntemleri, 2021 - 2023

## **Bilimsel Hakemlikler**

JOURNAL OF COMPUTING IN CIVIL ENGINEERING, SCI Kapsamındaki Dergi, Mart 2021  
BRAZILIAN JOURNAL OF PROBABILITY AND STATISTICS, SCI Kapsamındaki Dergi, Mart 2021  
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, SCI Kapsamındaki Dergi, Mart 2021  
JOURNAL OF THE ROYAL STATISTICAL SOCIETY SERIES A-STATISTICS IN SOCIETY, SCI Kapsamındaki Dergi, Şubat 2021  
COMPUTATIONAL STATISTICS, SCI Kapsamındaki Dergi, Ocak 2021  
MATHEMATICAL MODELLING AND ANALYSIS, SCI Kapsamındaki Dergi, Ocak 2021  
KARAELEMAS FEN VE MÜHENDİSLİK DERGİSİ, Hakemli Bilimsel Dergi, Kasım 2020  
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, SCI Kapsamındaki Dergi, Eylül 2020  
COMPLEXITY, SCI Kapsamındaki Dergi, Eylül 2020  
JOURNAL OF APPLIED STATISTICS, SCI Kapsamındaki Dergi, Ağustos 2020  
GAZİ UNIVERSITY JOURNAL OF SCIENCE, Hakemli Bilimsel Dergi, Mayıs 2020  
COMPUTATIONAL ECONOMICS, SCI Kapsamındaki Dergi, Nisan 2020  
COMPUTATIONAL ECONOMICS, SCI Kapsamındaki Dergi, Şubat 2020  
GAZİ UNIVERSITY JOURNAL OF SCIENCE, Hakemli Bilimsel Dergi, Ocak 2020

BARTIN ÜNİVERSİTESİ EĞİTİM FAKÜLTESİ DERGİSİ, Hakemli Bilimsel Dergi, Kasım 2019

JOURNAL OF APPLIED STATISTICS, SCI Kapsamındaki Dergi, Kasım 2019

JOURNAL OF CLEANER PRODUCTION, SCI Kapsamındaki Dergi, Eylül 2019

ENGINEERING APPLICATIONS OF COMPUTATIONAL FLUID MECHANICS, Hakemli Bilimsel Dergi, Temmuz 2019

COMPUTATIONAL ECONOMICS, SCI Kapsamındaki Dergi, Ekim 2018

## **Etkinlik Organizasyonlarındaki Görevler**

Beyaztaş U., Young Business and Industrial Statisticians Workshop on Recent Advances in Data Science and Business Analytics, Bilimsel Kongre / Sempozyum Organizasyonu, İstanbul, Türkiye, Eylül 2019

## **Atıflar**

Toplam Atıf Sayısı (WOS):68

h-indeksi (WOS):7

## **Burslar**

2214-A Yurt Dışı Araştırma Burs Programı, TÜBİTAK, 2015 - 2016