

Assoc. Prof. Hasan Bulut



Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAG-4642-2019

ScopusID: 57192589331

Yoksis Researcher ID: 18537



Education Information

Doctorate, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, İstatistik (Dr), Turkey 2014 - 2017

Postgraduate, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, İstatistik (YI) (Tezli), Turkey 2013 - 2014

Undergraduate, Gazi University, Fen Fakültesi, İstatistik Bölümü, Turkey 2007 - 2011

Dissertations

Doctorate, Çok değişkenli verilerde robust kümeleme analizi ile boyut indirgeme ve birimlerin sınıflandırılması, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, İstatistik (Dr), 2017

Postgraduate, Çok değişkenli istatistiksel analizde robust istatistiklerin kullanımı, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, İstatistik (YI) (Tezli), 2014

Research Areas

Statistics

Academic Titles / Tasks

Associate Professor, Ondokuz Mayıs University, Fen Fakültesi, İstatistik Bölümü, 2021 - Continues

Assistant Professor, Ondokuz Mayıs University, Fen Fakültesi, İstatistik Bölümü, 2018 - 2021

Research Assistant, Ondokuz Mayıs University, Fen Fakültesi, İstatistik Bölümü, 2012 - 2018

Academic and Administrative Experience

Ondokuz Mayıs University, 2018 - Continues

Rectorate Commissioner, Ondokuz Mayıs University, 2022 - 2023

Courses

UIST609 BİLGİSAYAR PROGRAMLAMA (TEZSİZ YL), Postgraduate, 2020 - 2021
SAB105 UYGULAMALI İSTATİSTİK, Undergraduate, 2020 - 2021, 2019 - 2020
SAB201 MATEMATİKSEL İSTATİSTİK, Undergraduate, 2020 - 2021
İST353 HİPOTEZ TESTLERİ, Undergraduate, 2020 - 2021, 2019 - 2020
İST 615 ÇOK DEĞİŞKENLİ İSTATİSTİK-I, Postgraduate, 2020 - 2021, 2019 - 2020
İST465 Risk Analizi, Undergraduate, 2019 - 2020
İST151 İstatistik Bilgi Sistemleri, Undergraduate, 2019 - 2020
İST355 Regresyon Çözümlemesi, Undergraduate, 2019 - 2020
IST632 İstatistikte Bilgisayar Dilleri, Postgraduate, 2019 - 2020
İST156 Temel İstatistik II, Undergraduate, 2019 - 2020, 2018 - 2019
İST 616 Çok Değişkenli İstatistik II, Postgraduate, 2019 - 2020
MBG225 Bilgisayar Programlama I, Undergraduate, 2019 - 2020
EIST618 Multivariate Analysis, Postgraduate, 2019 - 2020
İST268 Bilgisayar Programlamaya Giriş II, Undergraduate, 2018 - 2019
İST484 Bitirme Projesi, Undergraduate, 2018 - 2019
HEM306 Biyoistatistik, Undergraduate, 2018 - 2019
İST629 Bioistatistik, Postgraduate, 2018 - 2019
İST 474 SAS Programı ile İstatistik, Undergraduate, 2018 - 2019

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **A robust Hotelling test statistic for one sample case in high dimensional data**
Bulut H.
COMMUNICATIONS IN STATISTICS-THEORY AND METHODS, vol.52, no.13, pp.4590-4604, 2023 (SCI-Expanded)
- II. **An efficient family of robust-type estimators for the population variance in simple and stratified random sampling**
ZAMAN T., Bulut H.
COMMUNICATIONS IN STATISTICS-THEORY AND METHODS, vol.52, no.8, pp.2610-2624, 2023 (SCI-Expanded)
- III. **Robust ratio-type estimators for finite population mean in simple random sampling: A simulation study**
ZAMAN T., Bulut H., Yadav S. K.
CONCURRENCY AND COMPUTATION-PRACTICE & EXPERIENCE, vol.34, no.25, 2022 (SCI-Expanded)
- IV. **An improved class of robust ratio estimators by using the minimum covariance determinant estimation**
Bulut H., ZAMAN T.
COMMUNICATIONS IN STATISTICS-SIMULATION AND COMPUTATION, vol.51, no.5, pp.2457-2463, 2022 (SCI-Expanded)
- V. **A robust EM clustering approach: ROBEM**
Öner Y., Bulut H.
COMMUNICATIONS IN STATISTICS-THEORY AND METHODS, vol.50, no.19, pp.4587-4605, 2021 (SCI-Expanded)
- VI. **Mahalanobis distance based on minimum regularized covariance determinant estimators for high dimensional data**
Bulut H.
COMMUNICATIONS IN STATISTICS-THEORY AND METHODS, vol.49, no.24, pp.5897-5907, 2020 (SCI-Expanded)
- VII. **The construction of a composite index for general satisfaction in Turkey and the investigation of its determinants**
Bulut H.
SOCIO-ECONOMIC PLANNING SCIENCES, vol.71, 2020 (SCI-Expanded)
- VIII. **Modified regression estimators using robust regression methods and covariance matrices in**

stratified random sampling

ZAMAN T., Bulut H.

COMMUNICATIONS IN STATISTICS-THEORY AND METHODS, vol.49, no.14, pp.3407-3420, 2020 (SCI-Expanded)

IX. Modified ratio estimators using robust regression methods

ZAMAN T., Bulut H.

COMMUNICATIONS IN STATISTICS-THEORY AND METHODS, vol.48, no.8, pp.2039-2048, 2019 (SCI-Expanded)

X. The evaluation of socio-economic development of development agency regions in Turkey using classical and robust principal component analyses

Bulut H., Öner Y.

Journal of Applied Statistics, vol.44, no.16, pp.2936-2948, 2017 (SCI-Expanded)

Articles Published in Other Journals

I. A Robust Alternative to Environmental Performance Index

BULUT H.

Journal of New Theory, vol.2021, no.36, pp.117-126, 2021 (Peer-Reviewed Journal)

II. Multiplex PCR-Based Newborn Screening for Severe T and B-Cell Lymphopenia: The first Pilot Study in Turkey

Kutlug S., Karadağ Alpaslan M., Hancioglu G., Ozkan S. E. O., Yesilirmak D. C., Bulut H., Aygun C., Ogur G., Yıldiran A.
MEDICAL BULLETIN OF SISLI ETFAK HOSPITAL, vol.55, no.4, pp.551-559, 2021 (ESCI)

III. The Determination of Factors Affecting Satisfaction Rate with Public Health Services via Beta Regression

BULUT H.

Erciyes Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.36, no.3, pp.307-311, 2020 (Peer-Reviewed Journal)

IV. AN IMPROVED CLASS OF REGRESSION ESTIMATORS USING THE AUXILIARY INFORMATION

Ijaz M., ZAMAN T., Bulut H., Ullah A., Asim S. M.

JOURNAL OF SCIENCE AND ARTS, no.4, pp.789-800, 2020 (ESCI)

V. An R Package for Multivariate Hypothesis Tests: MVTests

BULUT H.

Technological Applied Sciences, vol.14, no.4, pp.132-138, 2019 (Peer-Reviewed Journal)

VI. The Clustering of Cities in Turkey According to Indexes of Life Satisfaction

BULUT H.

Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.23, no.1, pp.74-82, 2019 (Peer-Reviewed Journal)

VII. Modified ratio estimators for population mean using robust regression based on auxiliary attribute

ZAMAN T., BULUT H.

EPRA International Journal of Multidisciplinary Research, vol.4, no.10, pp.1-6, 2018 (Peer-Reviewed Journal)

VIII. Comparison of Robust Hedonic Models: Review of Factors Affecting Beetle Turkey Market Price

BULUT H., ZAMAN T.

Cumhuriyet Üniversitesi İktisadi ve İdari Bilimler Dergisi, vol.19, no.1, pp.24-43, 2018 (Peer-Reviewed Journal)

IX. The Investigation Of Factors On Prices Of Real Estates In Nevşehir Via Hedonic Price Model

İSLAMOĞLU E., BULUT H.

the journal of international civilization studies, vol.3, no.1 (ISSAS), pp.80-90, 2018 (Peer-Reviewed Journal)

X. An Application For Central Bank Foreign Exchange Reserves: Comparison Of Classical And Robust Regression Methods

İSLAMOĞLU E., BULUT H.

The Journal of International Civilization Studies, vol.3, no.1 (ISSAS), pp.91-103, 2018 (Peer-Reviewed Journal)

XI. Clustering of Member and Candidate Countries of the European Union

BULUT H., ÖNER Y., SÖZEN Ç.

International Journal of Sciences: Basic and Applied Research (IJSBAR), vol.36, no.7, pp.18-25, 2017 (Peer-

Reviewed Journal)

- XII. **Determining the Factors Affecting the Price of Beetle in Turkish Market via Hedonic Price Model**
BULUT H., ZAMAN T., İSLAMOĞLU E., KILIÇ Ü.
International Journal of Sciences:Basic and Applied Research, vol.30, no.5, pp.295-301, 2016 (Peer-Reviewed Journal)
- XIII. **Investigation of determinants of net migration using variable selection algorithms**
BULUT H., DÜNDER E., YÜCESOY E.
Mathematical Finance Letters, vol.2016, pp.1-9, 2016 (Peer-Reviewed Journal)
- XIV. **A Proposal for Robpca Algorithm**
BULUT H., ÖNER Y., SÖZEN Ç.
International Journal of Sciences:Basic and Applied Research, 2016 (Peer-Reviewed Journal)
- XV. **Comparison of Forecasting Methods for Interval Valued Time Series**
İSLAMOĞLU E., Ali İ., BULUT H., POLAT E. Z., ATEŞ D.
International Journal of Statistics and Applications, vol.5, no.6, pp.317-337, 2015 (Peer-Reviewed Journal)
- XVI. **The Investigation Of The Factors Affecting On The Prices Of Real Estates In Samsun Via Hedonic Price Model**
Bulut H., Öner Y., İslamoğlu E.
Alphanumeric Journal, vol.3, no.2, pp.121-130, 2015 (Peer-Reviewed Journal)
- XVII. **The Evaluation Of The Development Agency Regions In Turkey In Terms Of Some Socioeconomic Indicator With Factor Analyses**
BULUT H., ÖNER Y.
Alphanumeric Journal, vol.3, no.1, 2015 (Peer-Reviewed Journal)
- XVIII. **Investigating of Turkey Champion Clubs' Financial Performance Using Bootstrap and Jackknife Methods**
ZAMAN T., ALAKUŞ K., BULUT H.
American Journal of Theoretical and Applied Statistics, vol.4, no.2, pp.58-63, 2015 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **R Uygulamaları İle Çok Değişkenli İstatistiksel Yöntemler (2. Baskı)**
Bulut H.
Nobel Akademik Yayıncılık, Ankara, 2023
- II. **R ile İstatistiksel Analiz ve Programlama**
BULUT H.
Nobel Akademik Yayıncılık, Ankara, 2023
- III. **On the use of Bootstrap Technique in Theil-Sen Estimation in Simple Linear Regression**
ZAMAN T., BULUT H.
in: NEW TRENDS IN COMPUTATIONAL STATISTICS, Ulaş, Efehan; Koç, Haydar, Editor, Duvar Publishing, pp.97-106, 2022
- IV. **The Increasing Efficiency of Robust Hedonic Price Models Using Bootstrap and Jackknife Methods**
BULUT H.
in: NEW TRENDS IN COMPUTATIONAL STATISTICS, Ulaş, Efehan; Koç, Haydar, Editor, Duvar Publishing, pp.27-44, 2022
- V. **R Uygulamalı İstatistiksel Dağılımlar**
SAĞLAM V., BULUT H., SAĞIR M.
Seçkin Yayıncılık, Ankara, 2021
- VI. **R UYGULAMALI İSTATİSTİKSEL DAĞILIMLAR**
SAĞLAM V., BULUT H., SAĞIR M.
SEÇKİN YAYINCILIK, Ankara, 2021
- VII. **R Uygulamaları İle Çok Değişkenli İstatistiksel Yöntemler**

BULUT H.

Nobel Akademik Yayıncılık, 2018

VIII. **INVESTIGATION OF MANIFESTOS OF MILITARY INTERVENTIONS IN TURKEY VIA TEXT MINING AND PRINCIPAL COMPONENT ANALYSIS**

BULUT H., DÜNDER E.

in: İlkçağlardan Modern Döneme TARİHTEN İZLER, Osman KÖSE, Editor, BERİKAN YAYINEVİ, pp.775-789, 2018

Refereed Congress / Symposium Publications in Proceedings

- I. **Heterojen Kovaryans Matrisli İki Bağımsız Grubun Ortalama Vektörlerini Karşılaştırmak İçin Robust Bir Yaklaşım**
Karaosman G., BULUT H.
8. Uluslararası Bilimsel Çalışmalar Kongresi, Turkey, 15 - 17 March 2022
- II. **Makine Öğrenme Algoritmaları Yardımıyla Kredi Kartı Dolandırıcılıklarının Tespit Edilmesi**
BULUT H.
V. International Congress on Natural and Health Sciences (ICNHS-2019), 13 - 15 December 2019
- III. **Medikal Randevu İptallerinin Makine Öğrenme Algoritmaları ile İncelenmesi**
BULUT H.
2nd International Conference on Data Science and Applications (ICONDATA-2019), 3 - 06 October 2019
- IV. **Türkiye'deki İllerin İşgücü Göstergelerine Göre Kümelenmesi**
BULUT H.
2nd International Conference on Data Science and Applications (ICONDATA'-2019), 3 - 06 October 2019
- V. **İstanbul Menkul Kıymetler Borsasının Yapay Sinir Ağları ile Öngörüsü**
İSLAMOĞLU E., BULUT H., ZAMAN T.
10. Uluslararası Eğitim Araştırmaları Kongresi, 27 - 30 April 2018
- VI. **The Clustering of Countries According to Happiness Levels and Some Socio-Economic Indicators**
BULUT H.
Uluslararası Multidisipliner Akademik Çalışmalar Sempozyumu, 2 - 04 February 2018
- VII. **The Investigation of Military Intervention Notices in Republic Period in Turkey using Text Mining**
BULUT H., DÜNDER E.
ULUSLARARASI MULTİDİSİPLİNER AKADEMİK ÇALIŞMALAR SEMPOZYUMU, 2 - 04 February 2018
- VIII. **Use of Anova Test in Analysis of Functional Data: An Application**
SÖZEN Ç., ÖNER Y., BULUT H., ZAMAN T.
International Conference on Computational and Statistical Methods in Applied Sciences, 9 - 11 November 2017
- IX. **CLUSTERING ALGORITHMS FOR CATEGORICAL DATA SETS AND AN APPLICATION**
BULUT H., ÖNER Y., SÖZEN Ç.
International Conference on Computational and Statistical Methods in Applied Sciences, 9 - 11 November 2017
- X. **İSTATİSTİK TUTUM ÖLÇEĞİ İÇİN ÖĞRENCİ EĞİLİMLERİNİN RİDİT VE GRİ İLİŞKİ ANALİZİ İLE İNCELENMESİ**
TUNÇ T., YUMUK F., BULUT H., ALAKUŞ K.
II. INTERNATIONAL ACADEMIC RESEARCH CONGRESS 2017, 18 - 21 October 2017
- XI. **NEVŞEHİR İLİ KONUT FİYATLARINI ETKİLEYEN FAKTÖRLERİN HEDONİK FİYAT MODELİ İLE İNCELENMESİ**
İSLAMOĞLU E., BULUT H.
1. Uluslararası İpekyolu Akademik Çalışmalar Sempozyumu, 21 - 23 September 2017
- XII. **MERKEZ BANKASI DÖVİZ REZERVLERİNE YÖNELİK BİR UYGULAMA: KLASİK VE ROBUST REGRESYON YÖNTEMLERİNİN KARŞILAŞTIRILMASI**
İSLAMOĞLU E., BULUT H.
I. Uluslararası İpekyolu Akademik Çalışmalar Sempozyumu, 21 - 23 September 2017
- XIII. **Basit Doğrusal Regresyon Analizinde Jackknife Yöntemi ile Theil-Sen ve Mood-Brown Analizinde**

Parametre Tahminine Dayalı bir Çalışma

ZAMAN T., BULUT H., İSLAMOĞLU E.

III. International Multidisciplinary Congress of Eurasia, 27 - 30 June 2017

- XIV. **Using auxiliary information: Ratio Estimation or Poststratification**
ALKAYA A., BULUT H.
3rd International Researchers, Statisticians and Young Statisticians Congress, Turkey, 24 - 26 May 2017
- XV. **Analysis of Non-Periodical Data**
SÖZEN Ç., ÖNER Y., ZAMAN T., BULUT H.
International Researchers Statisticians and young statisticians congress, 24 May - 26 April 2017
- XVI. **Parameter Estimation for Theil Regression Using the Bootsrap Method**
ZAMAN T., ALAKUŞ K., BULUT H., SÖZEN Ç.
2nd International Conference on Advances in Natural and Applied Sciences, 18 - 21 April 2017
- XVII. **Financial Performance Analysis of Italy Serie A Football Clubs**
ZAMAN T., ALAKUŞ K., SÖZEN Ç., BULUT H.
2nd International Conference on Advances in Natural and Applied Sciences, 18 - 21 April 2017
- XVIII. **Parameter Estimation for Theil Regression Using the Bootstrap Method**
ZAMAN T., ALAKUŞ K., BULUT H., SÖZEN Ç.
2nd INTERNATIONAL CONFERENCE ON ADVANCES IN NATURAL AND APPLIED SCIENCES, ANTALYA, TURKEY, Antalya, Turkey, 18 - 21 April 2017
- XIX. **Investigating with Functional Data Analysis of the Value of Turkish Lira against Foreign Currency Units**
SÖZEN Ç., ÖNER Y., BULUT H., ZAMAN T.
2nd International Conference on Advances in natural and applied sciences, 18 - 21 April 2017
- XX. **Satisfaction Map of Cities in Turkey**
BULUT H., ÖNER Y., SÖZEN Ç., ZAMAN T.
2nd International Conference on Advances in natural and applied sciences, 18 - 21 April 2017
- XXI. **Comparison of Cluster Validity Indexes in Determining Cluster Number**
BULUT H., ÖNER Y., ZAMAN T., SÖZEN Ç.
2nd International Conference on Advances in natural and applied sciences, 18 - 21 April 2017
- XXII. **YAŞAYAN EFSANE BEETLE NİN TÜRKİYE PİYASA FİYATININ MODELLENMESİ**
BULUT H., ZAMAN T., İSLAMOĞLU E.
2nd International Conference on Applied Economics and Finance, Girne, Cyprus (Kktc), 5 - 06 December 2016
- XXIII. **COMPARISON OF THE SOCIO ECONOMIC DEVELOPMENT AND THE PISA RESULTS OF OECD COUNTRIES**
BULUT H., ÖNER Y.
2nd International Conference on Applied Economics and Finance, 5 - 06 December 2016
- XXIV. **AVRUPA BİRLİĞİNE ÜYE VE ADAY ÜLKELERİN BAZI EKONOMİK GÖSTERGELER BAKIMINDAN KÜMELENMESİ**
BULUT H., ÖNER Y.
2nd International Conference on Applied Economics and Finance, 5 - 06 December 2016
- XXV. **Fonksiyonel Veri Analizi ile Karadeniz Bölgesi ne Ait Yağış Verilerinin İncelenmesi**
SÖZEN Ç., ÖNER Y., BULUT H., ÖNER B.
10. Uluslararası İstatistik Günleri Sempozyumu, 7 - 09 October 2016
- XXVI. **Pi nin Monte Carlo Denemeleri ile Tahmini**
BULUT H.
17. Uluslararası Ekonometri, Yöneylem Araştırması ve İstatistik Sempozyumu, 2 - 04 June 2016
- XXVII. **KONUT FİYATINI ETKİLEYEN FAKTÖRLER İÇİN HEDONİK FİYAT MODEL ÇALIŞMASI**
BULUT H., ÖNER Y.
17. Uluslararası Ekonometri, Yöneylem Araştırması ve İstatistik Sempozyumu, 2 - 04 June 2016
- XXVIII. **Comparison for Performance Criteria of Interval Valued Time Series**
İSLAMOĞLU E., İSLAMOĞLU A., BULUT H., ZAMAN T.

International Conference on Information Complexity and Statistical Modeling in high Dimensions with Applications, Nevşehir, Turkey, 18 - 21 May 2016

XXIX. The Robust Approaches on Principal Component Analysis and An Application

BULUT H., ÖNER Y., SÖZEN Ç.

International Conference on Advance in Natural and Applied Sciences, 21 - 23 April 2016

XXX. A Study on the Application of the Jackknife Procedure in Statistical Analysis

ALAKUŞ K., ZAMAN T., BULUT H., DÜNDER E.

International Conference on Advance in Natural and Applied Sciences, Antalya, Turkey, 21 - 23 April 2016

XXXI. A Study on the Application of Jackknife Procedure in Statistical Analysis

ALAKUŞ K., ZAMAN T., BULUT H., DÜNDER E.

ICANS: International Conference of Advances in Natural and Applied Sciences (ICANAS, 2016), Antalya, Turkey, 21 - 23 April 2016

XXXII. Interpreting Cities of Turkey in the Manner of Social Economic Indicators by Classical and Robust Cluster Analysis

BULUT H., ÖNER Y., ZAMAN T.

International Conference on Advances in Natural and Applied Sciences, 21 - 23 April 2016

XXXIII. Data Observed at Seperated Points of Analyses and An Application

ÖNER Y., SÖZEN Ç., BULUT H., TUNÇ T.

16. Uluslararası Ekonometri, Yöneylem Araştırması ve İstatistik Sempozyumu, Turkey, 7 - 12 May 2015, vol.4, pp.436-437

XXXIV. Ayrık Noktalarda Gözlenen Verilerin Analizi ve Bir Uygulama

ÖNER Y., SÖZEN Ç., BULUT H., TUNÇ T., SANDUVAÇ S.

16. Uluslararası Ekonometri, Yöneylem Araştırması ve İstatistik Sempozyumu, 7 - 12 May 2015

XXXV. Investigation by Analysis of Covariance The Factors That Impact on Lactation on Milk Yield of Jersey Cows

BULUT H., ÖNER Y., AKICI C., TUNÇ T.

9. ULUSLARARASI İSTATİSTİK GÜNLERİ SEMPOZYUMU, Antalya, Turkey, 10 - 14 May 2014

XXXVI. A psychometric Scale For Determining University Students Attitudes Towards The Statistics Courses They Take Statistical Attitude Scale SAS

TUNÇ T., Komitoğlu F., Öner Y., BULUT H.

9. İSTATİSTİK GÜNLERİ SEMPOZYUMU, 10 - 14 May 2014

XXXVII. TÜRKİYE DE KALKINMA AJANSLARI KAPSAMINDAKİ İLLERİN BAZI SOSYOEKONOMİK GÖSTERGELER BAKIMINDAN ÇOK DEĞİŞKENLİ İSTATİSTİKSEL ANALİZLERLE DEĞERLENDİRİLMESİ

BULUT H., ÖNER Y., TUNÇ T.

8. ULUSLARARASI İSTATİSTİK KONGRESİ, Antalya, Turkey, 27 - 30 October 2013