Prof. CEYLAN YOZGATLIGİL

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: A-2327-2016

ScopusID: 6507362092

Yoksis Researcher ID: 163727

Education Information

Doctorate, Temple University, Fox Business School, United States Of America 2001 - 2007

Postgraduate, Middle East Technical University, Faculty of Arts and Sciences, Department of Statistics, Turkey 1996 - 1999

Undergraduate, Middle East Technical University, Faculty of Arts and Sciences, Department of Statistics, Turkey 1992 - 1996

Research Areas

Statistics, Statistical Analysis and Applications, Natural Sciences

Academic Titles / Tasks

Professor, Middle East Technical University, Faculty of Arts and Sciences, Department of Statistics, 2022 - Continues

Associate Professor, Middle East Technical University, Faculty of Arts and Sciences, Department of Statistics, 2016 - 2022

Assistant Professor, Middle East Technical University, Faculty of Arts and Sciences, Department of Statistics, 2010 - 2016

Lecturer, Middle East Technical University, Faculty of Arts and Sciences, Department of Statistics, 2007 - 2010

Research Assistant, Middle East Technical University, Faculty of Arts and Sciences, Department of Statistics, 1996 - 2007

Research Assistant, Temple University, Business School, Istatistik, 2002 - 2005

Academic and Administrative Experience

Deputy Head of Department, Middle East Technical University, Faculty of Arts and Sciences, Department of Statistics, 2021 - Continues

Assistant Director of the Institute, Middle East Technical University, Institute of Applied Mathematics, 2017 - 2020

Middle East Technical University, Faculty of Arts and Sciences, Department of Statistics, 2014 - 2015

Middle East Technical University, Faculty of Arts and Sciences, Department of Statistics, 2008 - 2012

Courses

INTRODUCTION TO DATA PROCESSING AND VISUALIZATION, Undergraduate, 2024 - 2025
Data Mining and Machine Learning , Postgraduate, 2023 - 2024
Time Series For Finance, Postgraduate, 2019 - 2020
APPLIED TIME SERIES ANALYSIS, Undergraduate, 2018 - 2019
MATHEMATICAL STATISTICS II, Undergraduate, 2017 - 2018
ELEMENTS OF PROBABILITY AND STATISTICS, Postgraduate, 2018 - 2019
STATISTICAL DATA ANALYSIS, Undergraduate, 2017 - 2018
MATHEMATICAL STATISTICS I, Undergraduate, 2018 - 2019

Advising Theses

Yozgatlıgil C., Fluctuation theory of omega-killed Lévy processes, Doctorate, M.ŞİMŞEK(Student), 2024
Yozgatlıgil C., Comparative performance analysis of variable selection methods in linear: A full factorial design simulation study, Postgraduate, M.Bİ(Student), 2024
Yozgatlıgil C., Comparison of missing data imputation methods applied to daily temperature and precipitation data in Turkey, Postgraduate, D.GEZGEN(Student), 2023
Yozgatlıgil C., The forecast performances of the classical time series model and machine learning algorithms on bist-50 price index using exogenous variables, Postgraduate, F.PARLAK(Student), 2023
Yozgatlıgil C., Audio classification based on machine learning: Understanding animal behavior through sound, Postgraduate, F.YAZ(Student), 2023
Taşkaya Temizel T., Yozgatligil C., A comparative study of deep learning techniques for time series forecasting in energy consumption prediction, Postgraduate, M.AHMED(Student), 2023
Yozgatlıgil C., Seasonal adjustment of high-frequency time series, Postgraduate, İ.TOSUN(Student), 2023
Yozgatlıgil C., Probabilistic forecasting of multiple time series with single recurrent neural network, Postgraduate, S.TUĞBERK(Student), 2022
Yozgatlıgil C., Temporal clustering of multivariate time series, Doctorate, S.ASLAN(Student), 2022
Yozgatlıgil C., The forecast performance of classical time series models and machine learning algorithms on bitcoin series using exogenous variables, Postgraduate, S.DOĞAN(Student), 2022
Yozgatlıgil C., KESTEL A. S., Coupled hidden Markov model with bivariate discrete copula to study comorbidity of chronic diseases, Doctorate, Z.OFLAZ(Student), 2022
Taşkaya Temizel T., Yozgatligil C., FORECASTING WARRANTY CLAIMS FOR MONTH IN SERVICES GROUPS IN AUTOMOTIVE SECTOR, Postgraduate, B.TEKÖZ(Student), 2022
UĞUR Ö., YOZGATLIGİL C., Performance of hybrid machine learning algorithms on financial time series data, Postgraduate, M.GÖZDE(Student), 2021
YOZGATLIGİL C., Yakamoz and Sunshine: Two novel time series anomaly detection methods, Doctorate, M.BOĞAZLIYAN(Student), 2021
Yozgatlıgil C., A comparative study of classical and machine learning approaches for time series forecasting: An empirical analysis on exports in turkey, Postgraduate, E.GÜNEL(Student), 2020
Yozgatlıgil C., Performance comparison of machine learning methods and traditional time series methods for forecasting, Postgraduate, O.ÖZDEMİR(Student), 2020
Yozgatlıgil C., ÜLKELERİN EKONOMİK GÖSTERGELERİNİN VERİ MADENCİLİĞİ ANALİZİ = DATA MINING ANALYSIS OF ECONOMIC INDICATORS OF COUNTRIES, Postgraduate, E.GÜNGÖR(Student), 2020
Yozgatlıgil C., Performance comparison of filtering methods on modelling and forecasting total precipitation amount, Postgraduate, E.ÜNAL(Student), 2019
YÜCEL İ., YOZGATLIGİL C., Impacts of climate nonstationarities on hydroclimatological variables in turkey, Doctorate, R.AZIZ(Student), 2018
KESTEL S. A., YOZGATLIGİL C., Mixture of vines for dependence modeling: Finite mixture and Cd-vine approaches with applications, Doctorate, Ö.OZAN(Student), 2018

YOZGATLIGİL C., Performance of ensemble forecasting tools for analysis turkish consumer price index, Postgraduate, P.AYDEMİR(Student), 2018

YOZGATLIGİL C., Electricity price forecasting using hybrid time series models, Postgraduate, B.TAŞ(Student), 2018

YOZGATLIGİL C., A novel algorithm for time series model selection: mutual information model selection algorithm (MIMSA), Postgraduate, E.AKÇA(Student), 2017

BATMAZ İ., YOZGATLIGİL C., A computational approach to detect inhomogeneities in time series data, Doctorate, C.YAZICI(Student), 2017

YOZGATLIGİL C., One-way anova for time series data with non-normal innovations: An application to unemployment rate data, Postgraduate, Ö.YILDIRIM(Student), 2017

KESTEL S. A., YOZGATLIGİL C., Bivariate hidden Markov model to capture the dependency in claim estimate, Postgraduate, Z.OFLAZ(Student), 2016

YOZGATLIGİL C., The relationship between unemployment rate and growth: Time series approach for Turkey, Postgraduate, F.AKPİLİÇ(Student), 2016

YOZGATLIGİL C., Gmdh-type neural network algorithms for short term forecasting, Postgraduate, O.DAĞ(Student), 2015

YOZGATLIGİL C., Time series analysis and forecasting electricity prices in turkey, Postgraduate, S.AMİR(Student), 2015

YOZGATLIGİL C., Time series analysis of Turkish exports of selected ores and concentrates, Postgraduate, M.BOĞAZLIYAN(Student), 2015

BATMAZ İ., YOZGATLIGİL C., Modelling precipitation data of certain regions for Turkey via hidden Markov models, Postgraduate, N.YAMAN(Student), 2015

YOZGATLIGİL C., İLK DAĞ Ö., Statistical analysis of electricity energy consumption with respect to provinces in Turkey, Postgraduate, M.ÇAKMAK(Student), 2014

YOZGATLIGİL C., Analysis of gas prices for Turkey from 2003-2011, Postgraduate, W.KİRİBAKİ(Student), 2012

YOZGATLIGİL C., The effect of temporal aggregation on univariate time series analysis, Postgraduate, N.SARIASLAN(Student), 2010

YOZGATLIGİL C., The application of disaggregation methods to the unemployment rate of Turkey, Postgraduate, U.GÖKSEL(Student), 2010

YOZGATLIGİL C., Comparison of missing value imputation methods for meteorological time series data, Postgraduate, S.ASLAN(Student), 2010

YOZGATLIGİL C., Multivariate time series modeling of the number of applicants and beneficiary households for conditional cash transfer program in Turkey, Postgraduate, A.FATİH(Student), 2009

YOZGATLIGİL C., Production, marketing and consumption: a sociological critique of mass oriented business strategies, Postgraduate, O.Aktan(Student), 2003

Designed Lessons

Yozgatlıgil C., Applied Statistics and Econometrics, Undergraduate, 2022 - 2023

Yozgatlıgil C., Statistical Machine Learning, Undergraduate, 2022 - 2023

Yozgatlıgil C., Applied Statistics, Undergraduate, 2017 - 2018

Yozgatlıgil C., Statistics by Real Life Examples, Undergraduate, 2017 - 2018

Yozgatlıgil C., Statistical Data Analysis, Undergraduate, 2017 - 2018

Yozgatlıgil C., Theory of Experimental Design, Doctorate, 2009 - 2010

Yozgatlıgil C., Multivariate Time Series Analysis, Postgraduate, 2008 - 2009

Yozgatlıgil C., Applied Multivariate Analysis , Postgraduate, 2008 - 2009

Yozgatlıgil C., Univariate Time Series Analysis, Postgraduate, 2008 - 2009

Yozgatlıgil C., Advanced Statistical Computing, Undergraduate, 2007 - 2008

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Forecasting Performance of Machine Learning, Time Series and Hybrid Methods for Low and High**

Frequency Time Series
Özdemir O., Yozgatlıgil C.
STATISTICA NEERLANDICA, vol.00390402, no.78 (2), pp.441-474, 2024 (SCI-Expanded)

II. **Investigations of motor performance with neuromodulation and exoskeleton using leader-follower modality: a tDCS study**
Okasha A., Şengezer S., Kılınç H., Pourreza E., Fincan C., YILMAZ T., Boran H. E., Cengiz B., YOZGATLIGİL C., GÜRSES S., et al.
Experimental Brain Research, 2024 (SCI-Expanded)

III. **Modeling comorbidity of chronic diseases using coupled hidden Markov model with bivariate discrete copula**
Oflaz Z., Yozgatligil C., Kestel A. S.
STATISTICAL METHODS IN MEDICAL RESEARCH, vol.32, no.4, pp.829-849, 2023 (SCI-Expanded)

IV. **Estimation of disease progression for ischemic heart disease using latent Markov with covariates**
Oflaz Z., Yozgatlıgil C., Selcuk-Kestel A. S.
STATISTICAL ANALYSIS AND DATA MINING, vol.16, no.1, pp.16-28, 2023 (SCI-Expanded)

V. **CD-vine model for capturing complex dependence**
Ozan Evkaya O., Yozgatlıgil C., Kestel S. A.
JOURNAL OF APPLIED STATISTICS, vol.48, no.13-15, pp.2406-2420, 2021 (SCI-Expanded)

VI. **Performance comparison of filtering methods on modelling and forecasting the total precipitation amount: a case study for Mugla in Turkey**
NESLİHANOĞLU S., ÜNAL E., YOZGATLIGİL C.
JOURNAL OF WATER AND CLIMATE CHANGE, vol.12, no.4, pp.1071-1085, 2021 (SCI-Expanded)

VII. **Mutual information model selection algorithm for time series**
Akca E., Yozgatlıgil C.
JOURNAL OF APPLIED STATISTICS, vol.47, no.12, pp.2192-2207, 2020 (SCI-Expanded)

VIII. **Nonstationarity impacts on frequency analysis of yearly and seasonal extreme temperature in Turkey**
Aziz R., YÜCEL İ., YOZGATLIGİL C.
ATMOSPHERIC RESEARCH, vol.238, 2020 (SCI-Expanded)

IX. **Identifying Non-Adopter Consumer Segments: An Empirical Study on Earthquake Insurance Adoption in Turkey**
Adiguzel F., Kleijnen M., Erkan B. B., Yozgatligil C.
JOURNAL OF CONSUMER AFFAIRS, vol.53, no.2, pp.662-685, 2019 (SSCI)

X. **AGGREGATE CLAIM ESTIMATION USING BIVARIATE HIDDEN MARKOV MODEL**
Oflaz Z. N., Yozgatlıgil C., Selcuk-Kestel A. S.
ASTIN BULLETIN, vol.49, no.1, pp.189-215, 2019 (SCI-Expanded)

XI. **Extreme value analysis and forecasting of maximum precipitation amounts in the western Black Sea subregion of Turkey**
Yozgatlıgil C., Turkes M.
INTERNATIONAL JOURNAL OF CLIMATOLOGY, vol.38, no.15, pp.5447-5458, 2018 (SCI-Expanded)

XII. **Temporal clustering of time series via threshold autoregressive models: application to commodity prices**
Aslan S., Yozgatlıgil C., Iyigun C.
ANNALS OF OPERATIONS RESEARCH, vol.260, pp.51-77, 2018 (SCI-Expanded)

XIII. **Impact of alternating wet and dry periods on long-term seasonal phosphorus and nitrogen budgets of two shallow Mediterranean lakes**
Coppens J., ÖZEN A., Tavsanoglu U. N., Erdogan S., Levi E. E., Yozgatligil C., Jeppesen E., BEKLİOĞLU M.
SCIENCE OF THE TOTAL ENVIRONMENT, vol.563, pp.456-467, 2016 (SCI-Expanded)

XIV. **GMDH: An R Package for Short Term Forecasting via GMDH-Type Neural Network Algorithms**
DAĞ O., YOZGATLIGİL C.
R JOURNAL, vol.8, no.1, pp.379-386, 2016 (SCI-Expanded)

XV. **An analysis of the incidence of measles in Turkey since 1960**
Caliskan D., Piyal B., Akdur R., Ocaktan M. E., YOZGATLIGİL C.
TURKISH JOURNAL OF MEDICAL SCIENCES, vol.46, no.4, pp.1101-1106, 2016 (SCI-Expanded)

XVI. **Comparison of homogeneity tests for temperature using a simulation study**
Yozgatlıgil C., Yazıcı C.
INTERNATIONAL JOURNAL OF CLIMATOLOGY, vol.36, no.1, pp.62-81, 2016 (SCI-Expanded)

XVII. **Has the climate been changing in Turkey? Regional climate change signals based on a comparative statistical analysis of two consecutive time periods, 1950-1980 and 1981-2010**
Turkes M., Yozgatlıgil C., Batmaz İ., İyigün C., Koc E. K., Fahmı F. M., Aslan S.
CLIMATE RESEARCH, vol.70, no.1, pp.77-93, 2016 (SCI-Expanded)

XVIII. **IMMUNOHISTOCHEMICAL EXPRESSIONS OF RECEPTORS FOR LUTEINIZING HORMONE/HUMAN CHORIONIC GONADOTROPIC HORMONE AND FOR SEX STEROID HORMONES IN PREGNANT FALLOPIAN TUBES**
KAYGUSUZ E., ÇETİNER H., YAVUZ H., CESUR S., YOZGATLIGİL C., AYAS S.
ACTA ENDOCRINOLOGICA-BUCHAREST, vol.10, no.2, pp.181-194, 2014 (SCI-Expanded)

XIX. **Psychological Well-Being, Health, and Stress Sources in Turkish Dental Students**
URAZ A., Tocak Y. S., YOZGATLIGİL C., ÇETİNER S., Bal B.
JOURNAL OF DENTAL EDUCATION, vol.77, no.10, pp.1345-1355, 2013 (SCI-Expanded)

XX. **Clustering current climate regions of Turkey by using a multivariate statistical method**
İyigün C., Turkes M., Batmaz İ., Yozgatlıgil C., Purutcuoglu V., Koc E. K., Ozturk M. Z.
THEORETICAL AND APPLIED CLIMATOLOGY, vol.114, pp.95-106, 2013 (SCI-Expanded)

XXI. **Comparison of missing value imputation methods in time series: the case of Turkish meteorological data**
Yozgatlıgil C., Aslan S., İyigün C., Batmaz İ.
THEORETICAL AND APPLIED CLIMATOLOGY, vol.112, pp.143-167, 2013 (SCI-Expanded)

XXII. **An analysis of the prevalence of malaria in Turkey over the last 85 years**
Piyal B., Akdur R., Ocaktan E., YOZGATLIGİL C.
PATHOGENS AND GLOBAL HEALTH, vol.107, no.1, pp.30-34, 2013 (SCI-Expanded)

XXIII. **Representation of Multiplicative Seasonal Vector Autoregressive Moving Average Models**
YOZGATLIGİL C., Wei W. W. S.
AMERICAN STATISTICIAN, vol.63, no.4, pp.328-334, 2009 (SCI-Expanded)

XXIV. **Modified maximum-likelihood method for non-normal time series revisited**
ULA T., Yozgatligil C.
COMMUNICATIONS IN STATISTICS-THEORY AND METHODS, vol.33, no.2, pp.397-417, 2004 (SCI-Expanded)

Articles Published in Other Journals

I. **Adaptif Yardımlı Dış İskelet Kontrol Sisteminin Motor Öğrenme Becerilerine Etkisi Effect of Adaptive Assisted Exoskeleton Control System on Motor Learning Skills**
Yozgatligil C.
Fırat Üniversitesi Uzay ve Savunma Teknolojileri Dergisi , vol.1, no.1, pp.454-458, 2022 (Peer-Reviewed Journal)

II. **Drought analysis using copula approach: a case study for Turkey**
Evkaya Ö. O., Yozgatlıgil C., Kestel A. S.
Communications in Statistics Case Studies Data Analysis and Applications, vol.5, no.3, pp.243-260, 2019 (Scopus)

III. **Measuring Dependence Between Electricity Consumption And Contributing Indicators Via Copulas: Turkish Case**
EVKAYA Ö. O., YOZGATLIGİL C., KESTEL A. S.
Gazi University Journal of Science, vol.31, no.4, pp.1284-1296, 2018 (Scopus)

IV. **Univariate Sample Size Determination by Alternative Components: Issues on Design Efficiency for Complex Samples**

YOZGATLIGİL C., ayhan h. ö.

Statistics in Transition New Series, 2018 (Peer-Reviewed Journal)

V. **Menstruel Siklus Sırasında Fallop Tüplerinde Lüteinizan Hormon ve Seks Steroid Hormon Reseptörlerinin Ekspresyonu**

KAYGUSUZ E. I., ÇETİNER H., CESUR S., YAVUZ H., YOZGATLIGİL C., AYAS S., SAĞLICAN Y.

ZEYNEP KAMİL TIP DERGİSİ, vol.45, pp.116-123, 2014 (Peer-Reviewed Journal)

VI. **Multivariate Time Series Modeling of The Number of Applicants for Conditional Cash Transfer Program in Turkey**

ORTAKAYA A. F., YOZGATLIGİL C.

Sosyal Politika Çalışmaları Dergisi, vol.7, pp.101-116, 2013 (Peer-Reviewed Journal)

VII. **Meteorolojik Zaman Serilerinde Kayıp Veri Tahmin Yöntemlerinin Başarımlarının Korelasyon Boyutu Analiziyle Karşılaştırılması**

ASLAN S., YOZGATLIGİL C., İYİGÜN C., BATMAZ İ., TATLI H.

İSTATİSTİK ARAŞTIRMA DERGİSİ, vol.8, pp.55-67, 2011 (Peer-Reviewed Journal)

VIII. **Türkiye İklim Bölgelerinin Hiyerarşik Kümeleme Yöntemi ile Belirlenmesi**

Kartal E., İyigün C., Fahmi M. F., Yozgatlıgil C., Purutçuoğlu Gazi V., Batmaz İ., Köksal G., Turkes M.

İSTATİSTİK ARAŞTIRMA DERGİSİ, vol.8, pp.13-25, 2011 (Peer-Reviewed Journal)

Books & Book Chapters

I. **The Epidemiology of Measles in Europe: The analysis of country Turkey**

Baki S., OCAKTAN M. E., YOZGATLIGİL C., ÇALIŞKAN D., PİYAL B., AKDUR R.

Lambert Academic Publishing, 2017

II. **Determining the Climate Zones of Turkey by Center-Based Clustering Methods**

Fahmi F., Kartal E., Iyigün C., Turkes M., Batmaz I., Yozgatligil C., Purutçuoğlu Gazi V., Köksal G.

in: Nonlinear and Complex Dynamics: Applications in Physical Biological and Financial Systems, J.A. Tenreiro Machado,Baleanu,D. and A. Luo, Editor, Springer, London/Berlin , London, pp.171-178, 2011

Refereed Congress / Symposium Publications in Proceedings

I. **Modeling and Evaluation of Human Motor Learning by Finger Manipulandum**

Okasha A., Şengezer S., ÖZDEMİR O., YOZGATLIGİL C., TURGUT A. E., Arıkan K. B.

14th International Conference on Social Robotics, ICSR 2022, Florence, Italy, 13 - 16 December 2022, vol.13817 LNAI, pp.325-334

II. **PERFORMANCE COMPARISON OF MACHINE LEARNING METHODS AND TRADITIONAL TIME SERIES METHODS FOR FORECASTING**

Özdemir O., Yozgatlıgil C.

5th International Researchers, Statisticians and Young Statisticians Congress, Aydın, Turkey, 18 - 20 October 2019, pp.1

III. **Ischemic Heart Disease Morbidity Rates Estimation using Hidden Markov Model Regression**

Oflaz Z., Yozgatlıgil C., Kestel S. A.

23rd International Congress on Insurance: Mathematics and Economics (IME), Munich, Germany, 10 July 2019, pp.53

IV. **Ischemic heart disease mortality rate estimation using hidden markov regression model**

OFLAZ Z., KESTEL A. S., YOZGATLIGİL C.

23rd International Congress on Insurance: Mathematics and Economics (IME 2019), Munich, Germany, 10 - 12 July 2019

V. **Estimation of Earthquake Magnitude and its Direction in Muğla and Kütahya Provinces Using Machine Learning**

Özdemir O., Yozgatlıgil C.

4. Ulusal Sigorta ve Aktüerya Kongresi, Ankara, Turkey, 24 - 25 June 2019, vol.1, no.1, pp.81-82

VI. **Understanding Drought with Copula Functions: Case Study for Konya Province**

EVKAYA Ö. O., YOZGATLIGİL C., KESTEL A. S.

11. International Statistics Days Conference, Muğla, Turkey, 3 - 07 October 2018, pp.300

VII. **Estimation Of Claim Amounts Using Bivariate Hidden Markov Models**

Oflaz Z., Yozgatlıgil C., Kestel S. A.

31. International Congress of Actuaries, Berlin, Germany, 3 - 08 June 2018, pp.121

VIII. **Linear Contrasts for Time Series Data with Non-Normal Innovations: An Application to a Real Life Data**

YILDIRIM Ö., YOZGATLIGİL C., ŞENOĞLU B.

10.International Statistics Congress (ISC2017)., Ankara, Turkey, 6 - 08 December 2017

IX. **Drought Forecasting with Time Series and Machine Learning Approaches**

EVKAYA Ö. O., YOZGATLIGİL C., KESTEL A. S.

10.International Statistics Congress (ISC2017), Ankara, Turkey, 6 - 08 December 2017, pp.200

X. **Electricity price forecasting using a hybrid time series model.**

TAŞ B., YOZGATLIGİL C.

International work-conference on Time Series, ITISE 2017, Granada, Spain, 18 - 20 September 2017

XI. **Finite Mixture of C-vines for Complex Dependence.**

EVKAYA Ö. O., YOZGATLIGİL C., KESTEL A. S.

20th Europen Young Statistician Meeting, Uppsala, Switzerland, 14 - 18 August 2017

XII. **Application of bootstrap to likelihood ratio test to detect multiple changepoints in small time series data.**

YAZICI C., YOZGATLIGİL C., BATMAZ İ.

IFORS 2017: 21st Conference of the International Federation of Operational Research Societies, Qubec City, Canada, 17 - 21 July 2017

XIII. **Multivariate Analysis of Drought Characteristics using Vine Copula Approach.**

EVKAYA Ö. O., YOZGATLIGİL C., KESTEL A. S.

Copulas and Their Applications to Commemorate the 75th Birthday of Professor Roger B. Nelsen, Almeria, Spain, 3 - 05 July 2017

XIV. **Weighted model selection for time series**

AKÇA E., YOZGATLIGİL C.

International Researchers, Statisticians and Young Statisticians Congress, Konya, Turkey, 24 - 26 May 2017

XV. **Hypothesis testing in one-way classification AR(1) model with Student's t innovations: An application to a real life data**

YILDIRIM Ö., YOZGATLIGİL C., ŞENOĞLU B.

International Researchers, Statisticians and Young Statisticians Congress,, Konya, Turkey, 24 - 26 May 2017

XVI. **Mixture of Vine Copulas for Complex and Hidden Dependence**

EVKAYA Ö. O., YOZGATLIGİL C., KESTEL A. S.

Recent Developments in Dependence Modeling and Applications in Finance and Insurance, Island of Aegina, Greece, 22 - 23 May 2017

XVII. **A novel model selection algorithm for time series**

AKÇA E., YOZGATLIGİL C.

3. International Conference on Advances in Statistics, Helsinki, Finland, 28 - 30 April 2017

XVIII. **GMDH An R Package for Short Term Forecasting Via GMDH Type Neural Network Algorithms**

DAĞ O., YOZGATLIGİL C.

1st International Biostatistics Congress, Antalya, Turkey, 26 - 29 October 2016

XIX. **Generation of monthly precipitation series and the performance of homogeneity tests**

AKÇA E., YOZGATLIGİL C., YAZICI C.

The 22nd International Conference on Computational Statistics, Oviedo, Spain, 23 - 26 August 2016

XX. **Detection performance of likelihood ratio test for change points based on bootstrap for AR 1**

models
YAZICI C., YOZGATLIGİL C., BATMAZ İ.
The 22nd International Conference on Computational Statistics, Oviedo, Spain, 23 - 26 August 2016

XXI. **Dynamic clustering of multiple multivariate time series Application to climate data**
YOZGATLIGİL C., ASLAN S., İYİGÜN C.
The 22nd International Conference on Computational Statistics, Oviedo, Spain, 23 - 26 August 2016

XXII. **Modeling Of Precipitation Amount Of Turkey By Multivariate Adaptive Regression Splines**
MANSYROV R., BATMAZ İ., YOZGATLIGİL C., YAZICI C.
International Conference on Information Complexity and Statistical Modeling in High Dimensions with Applications
(IC-SMHD-2016, Kapadokya, Turkey, 18 - 21 May 2016

XXIII. **Assessment of Multivariate Drought Index via Vine Copula**
EVKAYA Ö. O., YOZGATLIGİL C., KESTEL A. S.
Dependence Modeling inFinance, Insurance and Environmental Science, Munich, Germany, 17 - 19 May 2016

XXIV. **Statistical Modeling in High Dimensions with Applications Modeling of Precipitation Amount of Turkey by Multivariate Adaptive Regression Splines**
Mansyrov R., YAZICI C., YOZGATLIGİL C., BATMAZ İ.
IC-SMHD-2016 - International Conference on Information Complexity and Statistical Modeling in High Dimensions with Applications, 18 - 21 May 2016

XXV. **Energy ConsumptionAnd Economic Growthİn Turkey Is CopulaFramework Possible**
EVKAYA Ö. O., YOZGATLIGİL C., KESTEL A. S.
İSTKON9, 28 October - 01 November 2015

XXVI. **ENERGY CONSUMPTION and ECONOMIC GROWTH in TURKEY IS COPULA FRAMEWORK POSSIBLE**
YOZGATLIGİL C., EVKAYA Ö. O., KESTEL A. S.
International 9. Statistics Congress, Antalya, Turkey, 27 October - 01 November 2015

XXVII. **Sıcaklık Değişkeni İçin Türdeşlik Analizi Yöntemlerinin Karşılaştırılması**
YAZICI C., BATMAZ İ., YOZGATLIGİL C.
YAEM2015, Turkey, 9 - 11 September 2015

XXVIII. **Saklı Markov Modeli ile Türkiye nin Bazı Bölgelerine İlişkin Yağış Verisinin Var Yok Modellenmesi**
YAMAN N., YOZGATLIGİL C., BATMAZ İ.
YAEM2015, Turkey, 9 - 11 September 2015

XXIX. **Türkiye İklim Bölgelerinin On İki Klimatolojik Değişken Kullanarak AGNES Konsensüs Kümeleme Tekniği ile Belirlenmesi**
MURAT T., İYİGÜN C., BATMAZ İ., YOZGATLIGİL C., Kartal Koç E., YETERE KURSUN A.
YAEM2015, Turkey, 9 - 11 September 2015

XXX. **Türkiye nin Bazı Bölgelerine ilişkin Yağış Miktarının Saklı Markov Modeli ile Modellenmesi**
YOZGATLIGİL C., BATMAZ İ., YAMAN N.
YAEM2015, Turkey, 9 - 11 September 2015

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