

# FILIZ KARAMAN

## PROF.

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### International Researcher IDs

ORCID: 0000-0002-8491-674X

ScopusID: 8963155000

Yoksis Researcher ID: 31427

## Education

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Doctorate 1996 - 2000	State University of New York State University at Stony Brook, College Of Engineering And Applied Sciences, Uygulamalı Matematik Ve İstatistik, United States Of America
Postgraduate 1994 - 1996	New Mexico State University, University Statistics Center, Experimental Statistics, United States Of America
Undergraduate 1988 - 1993	Middle East Technical University, Faculty Of Arts And Sciences, Department Of Statistics, Turkey

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## Academic Titles / Tasks

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Professor 2018 - Continues	Yildiz Technical University, Faculty Of Arts & Science, Department Of Statistics
Associate Professor 2012 - 2018	Yildiz Technical University, Faculty Of Arts & Science, Department Of Statistics
Assistant Professor 2004 - 2012	Yildiz Technical University, Faculty Of Arts & Science, Department Of Statistics

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

- On function-on-function linear quantile regression**  
Mutuş M., Beyaztaş U., Karaman F., Shang H. L.  
JOURNAL OF APPLIED STATISTICS, vol.52, no.4, pp.814-840, 2025 (SCI-Expanded)
- Centrality and connectivity analysis of the European airports: a weighted complex network approach**  
Ersöz C., KARAMAN F.  
Transportation Planning and Technology, vol.46, no.2, pp.200-223, 2023 (SCI-Expanded)
- Barriers to Formal Help-Seeking Behavior by Battered Turkish Women According to Sociodemographic Factors**  
Keskin A., Karaman F.  
Sustainability, vol.13, no.1, pp.1-12, 2020 (SCI-Expanded)

4. **Impact of different model structure and prior distribution in continual reassessment method**  
Ulas E., Karaman F., Koc T.  
COMMUNICATIONS IN STATISTICS-SIMULATION AND COMPUTATION, vol.49, no.1, pp.95-109, 2020 (SCI-Expanded)
5. **Maximum likelihood function for fuzzy count data models (using heaped data as fuzzy)**  
Oketch G., Karaman F.  
JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, vol.39, pp.6891-6901, 2020 (SCI-Expanded)
6. **A comprehensive comparison of phase I dose escalation methods**  
Ulas E., Karaman F.  
KUWAIT JOURNAL OF SCIENCE, vol.45, pp.26-36, 2018 (SCI-Expanded)
7. **An Investigation into the Relationship among Psychiatric, Demographic and Socio-Economic Variables with Bayesian Network Modeling**  
Bilek G., Karaman F.  
ENTROPY, vol.20, 2018 (SCI-Expanded)
8. **GENERALISATION OF MOOD'S TEST TO FACTORIAL DESIGNS TO DETECT HETEROGENEITY OF VARIANCES**  
KARAMAN F., ÇENE E.  
AUSTRALIAN & NEW ZEALAND JOURNAL OF STATISTICS, vol.57, no.4, pp.535-544, 2015 (SCI-Expanded)
9. **Analysing organic food buyers' perceptions with Bayesian networks: a case study in Turkey**  
Çene E., Karaman F.  
JOURNAL OF APPLIED STATISTICS, vol.42, pp.1572-1590, 2015 (SCI-Expanded)
10. **Foreign Direct Investment and Profit Transfers: The Turkish Case**  
Geyikdagi V. N., KARAMAN F.  
JOURNAL OF BALKAN AND NEAR EASTERN STUDIES, vol.15, no.4, pp.383-395, 2013 (SSCI)
11. **Variable selection for heteroscedastic data through variance estimation**  
Baek S., Karaman F., Ahn H.  
COMMUNICATIONS IN STATISTICS-SIMULATION AND COMPUTATION, vol.34, no.3, pp.567-583, 2005 (SCI-Expanded)
12. **Factor effects on the variance in a replicated two-way treatment structure in an agricultural system**  
OZAYDIN F., VanLeeuwen D. M., Miller C., Schroeder J.  
JOURNAL OF AGRICULTURAL BIOLOGICAL AND ENVIRONMENTAL STATISTICS, vol.4, no.2, pp.166-184, 1999 (SCI-Expanded)

## Articles Published in Other Journals

1. **Neutral Benchmarking of Survival Models in Health Sciences: Comparative Study of Classical and Machine Learning Techniques**  
ABUBAKARI S., KARAMAN F.  
Gazi University Journal of Science Part A: Engineering and Innovation, vol.11, no.3, pp.518-534, 2024 (Peer-Reviewed Journal)
2. **Determinants of Foreign Direct Investment: A Bayesian Model Averaging Approach From 55 Countries**  
Çene E., Karaman F.  
Istanbul Ticaret Üniversitesi Sosyal Bilimler Dergisi, vol.22, no.46, pp.135-158, 2023 (Peer-Reviewed Journal)
3. **Organik Ürün tüketicilerinin organik pazarlara gitmesini etkileyen faktörler üzerine bir saha çalışması**  
Karaman F.  
İstanbul Ticaret Üniversitesi Sosyal Bilimler Dergisi, vol.17, pp.133-142, 2018 (Peer-Reviewed Journal)
4. **Economic Convergence: A Panel Analysis of Growth Variables in Selected Asian and Latin American Countries - Convergence economica: un'analisi panel di variabili di crescita in una selezione di paesi**

## asiatici e dell'America del Sud

KARAMAN F., Aydođan E. T., Geyikdađı V. N.

Economia Internazionale/International Economics, vol.68, no.3, pp.385-400, 2015 (Peer-Reviewed Journal)

5. **Economic Convergence A Panel Analysis of Growth Variables in Selected Asian and Latin American Countries**  
KARAMAN F., AYDOĐAN E. T., GEYİKDAĐI V. N.  
Economia Internazionale/International Economics, vol.68, no.3, pp.385-400, 2015 (Peer-Reviewed Journal)
6. **Motives of buying organic products and habits of organic buyers in Turkey**  
Çene E., Karaman F., Çalıřkan Çavdar ř.  
Journal of Food Agriculture & Environment, vol.11, pp.539-548, 2013 (Peer-Reviewed Journal)
7. **Cari Açık ve Bütçe Açığını Etkileyen Faktörlerin Nedensellik İliřkilerinin Diyagram Yoluyla Gösterimi: Türkiye örneđi**  
Karaman F., Çavdar ř. Ç.  
Süleyman Demirel Üniversitesi İktisadi ve İdari Bilimler Fakültesi Dergisi, vol.18, no.1, pp.405-416, 2013 (Peer-Reviewed Journal)
8. **Bayes Yönteminin Meta Analizinde Kullanılması**  
Karaman F.  
İstatistik Arařtırma Dergisi, vol.8, no.2, pp.21-31, 2011 (Peer-Reviewed Journal)
9. **Generalization of Klotz's test**  
Karaman F.  
Journal of Applied Sciences, vol.9, pp.2916-2924, 2009 (Scopus)
10. **Kamu üniversiteleri öğretim elemanlarının iş tatmini düzeyini etkileyen faktörler**  
Karaman F., Altunođlu A. E.  
Celal Bayar üniversitesi İİBF Yönetim ve Ekonomi dergisi, vol.14, no.1, pp.109-120, 2007 (Peer-Reviewed Journal)
11. **İş tatmini ve organizasyon yapısı: Kamu üniversiteleri üzerine ampirik bir inceleme**  
Altunođlu A. E., Karaman F.  
Hacettepe Üniversitesi İktisadi ve idari bilimler dergisi, vol.23, no.2, pp.83-97, 2005 (Peer-Reviewed Journal)
12. **Ormansızlařan arazilerin subjektif deđerleri:İstanbul Anadolu yakasına yönelik ampirik bir Çalıřma**  
Karaman F., Özdemir Ö.  
İktisat İşletme ve Finans dergisi, vol.20, no.227, pp.123-131, 2005 (Peer-Reviewed Journal)
13. **Basınç dayanımının üç eksenli hücre basınç deneyinde boşluk suyu basıncı ölçülmeden (uu) bulunması deneyindeki toplam belirsizlik miktarının bulunmasına ait bir örneklem**  
Karaman F.  
DSİ Teknik Bülteni, no.99, pp.31-36, 2002 (Peer-Reviewed Journal)

## Papers Published in Refereed Scientific Meetings

1. **On Function-on-function Partial Quantile Regression**  
Mutıř M., Beyaztař U., Karaman F., Shang H. L.  
V. International Congress of Applied Statistics, İstanbul, Turkey, 21 - 23 May 2024, pp.33
2. **Estimating Air Pollution in Istanbul through Machine Learning Techniques**  
Valunya T., Parim C., Karaman F.  
International Applied Statistic Congress (UYIK), İstanbul, Turkey, 21 - 23 May 2024, pp.42
3. **An overview of multivariate adaptive regression splines**  
Mutıř M., Beyaztař U., Karaman F.  
7th International Researchers, Statisticians, and Young Statisticians Congress, İstanbul, Turkey, 2 - 05 November 2023, pp.17-18
4. **Analysis of Europe's Air Transport Network from a Complex Network Theory Perspective**  
Karaman F., Ersöz C.  
2nd International Conference on Innovative Academic Studies, Konya, Turkey, 28 - 31 January 2023, pp.36

5. **Forecasting of Spatial Distribution of Earthquake by Using Bayesian Analysis for Istanbul**  
Karataş Z. F., Karaman F.  
2. Uluslararası Dicle Bilimsel Araştırmalar ve İnovasyon Kongresi, Diyarbakır, Turkey, 28 - 29 May 2022, pp.98-105
6. **FORECASTING OF SPATIAL DISTRIBUTION OF EARTHQUAKE BY USING BAYESIAN ANALYSIS FOR ISTANBUL**  
Karaman F., Karataş Z. F.  
2. Uluslararası Dicle Bilimsel Araştırmalar ve İnovasyon Kongresi, Gaziantep, Turkey, 28 - 29 May 2022, pp.98-105
7. **Prediction of Death at 6. Month on International Stroke Trial Dataset with the Comparison of Different Statistical Analyses and Machine Learning Methods**  
Karaman F., Tosun A. U.  
4th INTERNATIONAL APRIL 23 SCIENTIFIC STUDIES CONGRESS, Gaziantep, Turkey, 23 - 24 April 2022, pp.246-258
8. **Determinants of Foreign Direct Investment: A Bayesian Model Averaging Approach From 55 Countries**  
Çene E., Karaman F.  
ICONDATA 2021, 4 - 06 June 2021, pp.200-212
9. **Investigating Determinants of Foreign Direct Investment with Bayesian Model Averaging**  
Çene E., Karaman F.  
4th International Researchers, Statisticians and Young Statisticians Congress, İzmir, Turkey, 28 - 30 April 2018
10. **Organik Ürün Tüketimini Etkileyen Faktörler Üzerine Bir Saha Çalışması**  
Karaman F.  
3. Ulusal Tarım Kongresi, Afyonkarahisar, Turkey, 5 - 08 October 2016, pp.23
11. **Cox proportional hazards regression with tree-structured modeling in patients with nasopharyngeal cancer**  
Evdönderen N., Şahin B., Özyar E., KARAMAN F., Bekiroğlu G. N.  
37th Annual Conference of the International Society for Clinical Biostatistics, Birmingham, England 2016, Birmingham, United Kingdom, 21 August 2016, pp.1
12. **The Success Factors of In Vitro Fertilization**  
Or S., Karaman F., Irez T.  
International Conference on Trends and Perspectives in LINEAR STATISTICAL INFERENCE AUGUST 22-25, ISTANBUL, İstanbul, Turkey, 22 - 25 August 2016, pp.54
13. **Cox Proportional Hazards Regression Model in Patients with Nasopharyngeal Cancer Treated with Radiotherapy**  
Evdönderen N., Karaman F.  
2nd International Researchers-Statisticians and Young Statisticians Congress, Ankara, Turkey, 4 - 08 May 2016, pp.102
14. **Determinants of FDI Evidence from panel regression analysis**  
Çene E., Karaman F.  
9. Uluslararası İstatistik Kongresi, Antalya, Turkey, 28 October - 01 November 2015, pp.154-155
15. **Logit Model Application on Diagnosis of Iron Deficiency Anemia**  
Çerçi N. K., KARAMAN F.  
XVI th International Symposium on Econometrics, Operation Research and Statistics, 01 May 2015
16. **Application of generalized Estimating Equations (GEE) for longitudinal data**  
Yassin F., KARAMAN F.  
XVI th International Symposium on Econometrics, Operation Research and Statistics, 01 May 2015
17. **Lojistik Regresyon ve Bankacılık Verileri Üzerine Bir Uygulama**  
Kocabaş E., Karaman F., Kılıç Depren S.  
15th International Symposium on Econometrics, Operation Research and Statistics, Isparta, Turkey, 22 - 25 May 2014, pp.455-463
18. **BAYESIAN MULTINOMIAL LOGISTIC REGRESSION MODEL OF ORGANIC FOOD BUYERS DATA**  
Karaman F., Çene E.  
15. Uluslararası Ekonometri, Yöneylem Araştırması ve İstatistik Sempozyumu, Isparta, Turkey, 22 - 24 May 2014,

pp.394-404

19. **Transfer Pricing Manipulation and Profit Transfers of Multinational Firms**  
KARAMAN F., Geyikdağı V. N.  
Academy of International Business (AIB) 2013 İstanbul konferansı, İstanbul, Turkey, 03 July 2013, pp.49
20. **A Comparative Statistical and Econometric Analysis of Macroeconomic Variables For Greece, Spain, Portugal, Italy and Turkey**  
KARAMAN F.  
13TH INTERNATIONAL CONFERENCE ON ECONOMETRICS, OPERATIONS RESEARCH, AND STATISTICS, 01 May 2012
21. **Kredi Skorlama Uygulamasında Lojistik Regresyon, Diskriminant Analizi ve CHAID Analizi Yöntemlerinin Karşılaştırılması**  
KARAMAN F.  
13TH INTERNATIONAL CONFERENCE ON ECONOMETRICS, OPERATIONS RESEARCH, AND STATISTICS, 01 May 2012
22. **İMKB 100 ENDEKSİ ÜZERİNDE MONTE CARLO SİMULASYON YÖNTEMİ KULLANILARAK RİSKE MARUZ DEĞERİN HESAPLANMASI**  
KARAMAN F., Aslan G.  
12. Uluslararası Ekonometri, Yöneylem Araştırması ve İstatistik Sempozyumu, Denizli, Turkey, 26 May 2011, pp.125-131
23. **Meta Analizinde Kategorik Verilerin Birleştirilmesinde kullanılan İstatistiksel Yöntemlere Ek Olarak Bayes Yönteminin Kullanılması**  
Karaman F.  
12. Uluslararası Ekonometri, Yöneylem Araştırması ve İstatistik Sempozyumu, Denizli, Turkey, 26 - 29 May 2011, pp.95-102
24. **Parametrik Olmayan Basit Doğrusal Regresyon Modelinde Katsayıların Tahminlemesi**  
Karaaslan M. F., Karaman F.  
7. İstatistik Günleri Sempozyumu, Ankara, Turkey, 28 - 30 June 2010, pp.103-104

## Academic and Administrative Experience

2022 - Continues	<b>Head of Department</b>	Yildiz Technical University, Faculty Of Arts & Science, Department Of Statistics
2014 - Continues	<b>Head of Department</b>	Yildiz Technical University, Faculty Of Arts & Science, Department Of Statistics
2006 - 2022	<b>Erasmus Program Institutional Coordinator</b>	Yildiz Technical University, Faculty Of Arts & Science, Department Of Statistics
2019 - 2021	<b>Manager of Research and Application Center</b>	Yildiz Technical University, Rectorate

## Courses

### Doctorate

İstatistiksel Modelleme için Simulasyon, Doctorate, 2018 - 2019

### Postgraduate

Biyoistatistik Uygulamaları, Postgraduate, 2019 - 2020

## Undergraduate

Biostatistics, Undergraduate, 2018 - 2019  
Örnekleme I, Undergraduate, 2019 - 2020  
Survey Sampling II, Undergraduate, 2018 - 2019  
Bayesgil İstatistik, Undergraduate, 2019 - 2020

## Supervised Theses

Karaman F., Centrality and Connectivity Analysis of Airport Networks: Cases of Turkey and Europe, Doctorate, C.ERSÖZ(Student), 2023  
Karaman F., Forecasting of spatial distribution of earthquake by using Bayesian analysis for İstanbul, Postgraduate, Z.FATMA(Student), 2022  
Karaman F., Prediction of death on international stroke trial dataset with the comparison of different statistical methods, Postgraduate, A.UMUT(Student), 2022  
Karaman F., Türkiye'de şiddete maruz kalan kadınların resmi yardım arama davranışlarını engelleyen faktörlerin çok değişkenli istatistik ve bulanık dematel yöntemler kullanılarak incelenmesi, Doctorate, A.KESKİN(Student), 2022  
Karaman F., Fuzzy Count Data Models with Heaped Data Points, Postgraduate, G.MARADONA(Student), 2019  
Karaman F., The Success Factors of In Vitro Fertilization Using Regression and Classification Techniques with Missing Data Analysis, Postgraduate, S.OR(Student), 2019  
Karaman F., Data discretization and Bayesian network modeling: A case study in R, Doctorate, G.BİLEK(Student), 2018  
Karaman F., Modelling Methods in Survival Analysis, Postgraduate, N.Evdönderen(Student), 2017  
Karaman F., Investigation of phase I dose finding methods: Bayesian methodology for phase I studies, Doctorate, E.ULAŞ(Student), 2017  
Karaman F., Ridge regresyon yönteminin farklı paket programlarıyla uygulanması, Postgraduate, Ç.KIRDEMİR(Student), 2017  
Karaman F., Determinants of foreign direct investment: A Bayesian approach, Doctorate, E.ÇENE(Student), 2016  
Karaman F., Application of Generalized Estimating Equations(GEE) on Real Longitudinal Data, Postgraduate, F.Yassin(Student), 2015  
KARAMAN F., Lojistic Regresyon ve Bankacılık Verileri Üzerine Bir Uygulama, Postgraduate, E.Kocabaş(Student), 2014  
KARAMAN F., An Economic Growth Analysis for Euro Area Countries by Panel Dynamic Ordinary Least Squares Method, Postgraduate, G.Aslan(Student), 2013  
KARAMAN F., Yapısal Eşitlik Modellemesi Çerçevesinde haber sitelerinin kullanıcı sadakatinin ölçülmesi, Postgraduate, M.Akif(Student), 2013

## Metrics

Publication: 49  
Citation (WoS): 18  
Citation (Scopus): 25  
H-Index (WoS): 2  
H-Index (Scopus): 2

## Research Areas

Health Sciences, Social Sciences and Humanities, Econometrics, Statistics, Statistical Analysis and Applications, Natural Sciences

## Non Academic Experience

YILDIZ TEKNİK ÜNİVERSİTESİ, DOÇENT

Fen- Edebiyat Fakültesi Yıldız Teknik Üniversitesi, Yardımcı Doçent

Nazilli İİBF Fakültesi Adnan Menderes Üniversitesi , Yardımcı Doçent

Fen- Edebiyat Fakültesi Yıldız Teknik Üniversitesi, Yardımcı Doçent

Yeditepe Üniversitesi İİBF , Yardımcı Doçent

Nazilli İİBF Fakültesi Adnan Menderes Üniversitesi , Araştırma Görevlisi

Emniyet Genel Müdürlüğü, Memur