

NİHAT TAK

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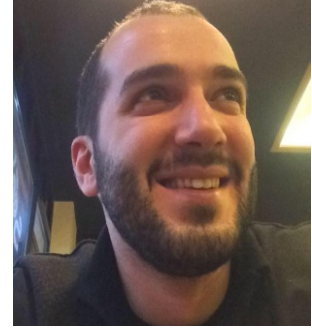
International Researcher IDs

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Publons / Web Of Science ResearcherID: AAA-2035-2019

ScopusID: 57194529021

Yoksis Researcher ID: 46257



Learning Knowledge

Doctorate 2012 - 2016	Yildiz Technical University, Graduate School Of Natural And Applied Sciences, İstatistik, Turkey
Postgraduate 2010 - 2012	University of Arkansas at Fayetteville, Fen Bilimleri Enstitüsü, İstatistik, United States Of America
Undergraduate 2005 - 2008	Karadeniz Technical University, Fen Fakültesi, İstatistik Ve Bilgisayar Bilimleri, Turkey

Dissertations

Doctorate, Recurrent Type-1 Fuzzy Functions Approach for Time Series Forecasting, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, İstatistik, 2016

Academic Titles / Tasks

Associate Professor 2023 - Continues	Marmara University, Faculty of Sciences, Department of Statistics
Associate Professor 2022 - 2023	Bursa Technical University, Faculty Of Human And Social Sciences, Department Of Business Administration
Associate Professor 2021 - 2022	Kirklareli University, Faculty Of Economics And Administrative Sciences, Department Of Econometrics
Assistant Professor 2017 - 2021	Kirklareli University, Faculty Of Economics And Administrative Sciences, Department Of Econometrics
Research Assistant 2012 - 2017	Kirklareli University, Faculty Of Economics And Administrative Sciences, Department Of Econometrics

Supported Projects

1. Tak N., Eğrioglu E., TUBITAK Project, Özellik Seçimli Tip 1 Bulanık Fonksiyonlar, 2024 - 2026

Published journal articles indexed by SCI, SSCI, and AHCI

1. **Forecast combination approach with meta-fuzzy functions for forecasting the number of immigrants within the maritime line security project in Turkey**
Cevik F. C., Gever B., Tak N., Khaniyev T.
SOFT COMPUTING, vol.27, no.5, pp.2509-2535, 2023 (SCI-Expanded)
2. **Dating Currency Crisis and Assessing the Determinants Based on Meta Fuzzy Index Functions**
Gok A., Tak N.
COMPUTATIONAL ECONOMICS, vol.61, no.3, pp.1225-1250, 2023 (SCI-Expanded)
3. **Type-1 fuzzy forecasting functions with elastic net regularization**
Tak N., İNAN D.
EXPERT SYSTEMS WITH APPLICATIONS, vol.199, 2022 (SCI-Expanded)
4. **Dating currency crises and designing early warning systems: Meta-possibilistic fuzzy index functions**
Tak N., Gok A.
INTERNATIONAL JOURNAL OF FINANCE & ECONOMICS, vol.27, no.3, pp.3773-3790, 2022 (SSCI)
5. **A Novel ARMA Type Possibilistic Fuzzy Forecasting Functions Based on Grey-Wolf Optimizer (ARMA-PFFs)**
Tak N.
COMPUTATIONAL ECONOMICS, vol.59, no.4, pp.1539-1556, 2022 (SCI-Expanded)
6. **Meta fuzzy functions based feed-forward neural networks with a single hidden layer for forecasting**
Tak N.
JOURNAL OF STATISTICAL COMPUTATION AND SIMULATION, vol.91, no.13, pp.2800-2816, 2021 (SCI-Expanded)
7. **Forecast combination with meta possibilistic fuzzy functions**
Tak N.
INFORMATION SCIENCES, vol.560, pp.168-182, 2021 (SCI-Expanded)
8. **An adaptive forecast combination approach based on meta intuitionistic fuzzy functions**
Tak N., Eğrioglu E., Bas E., Yolcu U.
JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, vol.40, no.5, pp.9567-9581, 2021 (SCI-Expanded)
9. **Type-1 possibilistic fuzzy forecasting functions**
Tak N.
JOURNAL OF COMPUTATIONAL AND APPLIED MATHEMATICS, vol.370, 2020 (SCI-Expanded)
10. **Type-1 recurrent intuitionistic fuzzy functions for forecasting**
Tak N.
EXPERT SYSTEMS WITH APPLICATIONS, vol.140, 2020 (SCI-Expanded)
11. **Meta fuzzy functions: Application of recurrent type-1 fuzzy functions**
Tak N.
APPLIED SOFT COMPUTING, vol.73, pp.1-13, 2018 (SCI-Expanded)
12. **Recurrent type-1 fuzzy functions approach for time series forecasting**
TAK N., Evren A. A., TEZ M., EĞRİOĞLU E.
APPLIED INTELLIGENCE, vol.48, no.1, pp.68-77, 2018 (SCI-Expanded)

Articles Published in Other Journals

1. **GREY WOLF OPTIMIZER BASED RECURRENT FUZZY REGRESSION FUNCTIONS FOR FINANCIAL DATASETS**
TAK N.
Öneri Dergisi, vol.15, no.54, pp.350-366, 2020 (Peer-Reviewed Journal)
2. **Meta fuzzy index functions**
TAK N.
Communications Faculty of Sciences University of Ankara Series A1 Mathematics and Statistics, vol.69, no.1, pp.654-667, 2020 (ESCI)
3. **Clustering According to Cultural Structures of Cities in Turkey based on Fuzzy C-means Method**
TAK N.
The Journal of European Theoretical and Applied Studies, vol.4, no.2, pp.49-57, 2016 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

1. **Forecasting of number of international immigrants in Turkey's sea lane**
GEVER B., Çarman Çevik F., TAK N., HANALIOĞLU T.
The 22nd Conference of the International Federation of Operational Research Societies (IFORS21), Seoul, South Korea, 23 - 27 August 2021
2. **Type-1 Panelized Regression Functions**
TAK N., İNAN D.
11TH International Statistics Congress, Muğla, Turkey, 4 - 08 October 2019
3. **Combination of Forecasting Methods based on Fuzzy C-Means Clustering**
TAK N., EĞRİOĞLU E., YOLCU U., BAŞ E.
11. International Statistics Days Conference, Muğla, Turkey, 3 - 07 October 2018
4. **Meta Fuzzy Currency Crisis Index Functions**
TAK N.
International Conference on Trends and Perspectives in Linear Statistical Inference, LinStat'2018, Bedlowo, Poland, 20 - 24 August 2018
5. **Bulanık C- Ortalamalar Metodu İle Süreç Yetenek İndekslerine Yönelik Bir Çalışma**
TAK N., YALÇIN E. C.
18. Uluslararası Ekonometri, Yöneylem Araştırması ve İstatistik Sempozyumu, Trabzon, Turkey, 5 - 07 October 2017
6. **Zaman Serileri Öngörülerinde Boz-Kurt Optimizasyon Temelli Geri Beslemeli Bulanık Fonksiyon Yaklaşımı**
TAK N., YALÇIN E. C.
XVIII. Uluslararası Ekonometri, Yöneylem Araştırması ve İstatistik Sempozyumu, 5 - 07 October 2017
7. **Güçlü Ekonomiye Geçiş Döneminde Turizme Dayalı Büyümenin Öngörü Performansının Karşılaştırmalı Analizi**
TAK N., ÇEVİK E., YALÇIN E. C.
I. Uluslararası Ekonomi, Finans ve Ekonometri Sempozyumu, İstanbul, Turkey, 21 - 23 September 2017
8. **Öngörü Problemlerinde ARMA(p,1) Tip Bulanık Fonksiyon Yaklaşımı ve T.C. Altını Verisinin Analizi**
TAK N.
I. Uluslararası Ekonomi, Finans ve Ekonometri Sempozyumu, 21 - 23 September 2017
9. **Recurrent Fuzzy Functions Approach Based on Grey Wolf Optimizer for Time Series Forecasting**
TAK N.
3rd International Researchers, Statisticians and Young Statisticians Congress 2017, 24 - 26 May 2017
10. **Geri Beslemeli Bulanık Fonksiyon Yaklaşımı ve T.C. Altını Verisinin Analizi**
TAK N., EVREN A. A., TEZ M., EĞRİOĞLU E.

Xth International Statistics Days Conference, Giresun, Turkey, 7 - 09 October 2016

11. **Recurrent Type-1 Fuzzy Regression Function for Time Series Forecasting**

TAK N., EVREN A. A., TEZ M., EĞRİOĞLU E.

International Conference on Trends and Perspectives in Linear Statistical Inference, İstanbul, Turkey, 22 - 25 August 2016

12. **Type 1 Fuzzy Function Approach for Time Series Forecasting**

TAK N.

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

Academic and Administrative Experience

2021 - 2022	Head of Department	Kirklareli University, Faculty Of Economics And Administrative Sciences, Department Of Econometrics
2018 - 2022	Head of Department	Kirklareli University, Faculty Of Economics And Administrative Sciences, Department Of Econometrics

Research Areas

Computer Science, Statistics