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Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAY-9700-2021

Yoksis Researcher ID: 199511

Education Information

Doctorate, Cukurova University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği, Turkey 2016 - 2021

Postgraduate, Ataturk University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği Anabilim Dalı, Turkey 2014 - 2016

Undergraduate, Suleyman Demirel University, Mühendislik Ve Doğa Fakültesi, Bilgisayar Mühendisliği Bölümü, Turkey 2008 - 2013

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Attribute inference over real-world online social networks: a comprehensive privacy analysis, Cukurova University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği, 2021

Postgraduate, Turkish twitter sentiment analysis using text classification techniques, Ataturk University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği Anabilim Dalı, 2016

Research Areas

Computer Sciences, Text/Document Processing, Engineering and Technology

Academic Titles / Tasks

Associate Professor, Ataturk University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2023 - Continues

Research Assistant, Adiyaman University, Faculty Of Engineering, Department Of Computer Engineering, 2014 - 2023

Courses

Veri Yapıları ve Algoritmalar, Undergraduate, 2023 - 2024
Automata Theory, Undergraduate, 2022 - 2023
Veri Yapıları ve Algoritmalar, Undergraduate, 2023 - 2024
Machine Learning, Postgraduate, 2023 - 2024
Data Structures and Algorithms, Undergraduate, 2023 - 2024
Programlama Dilleri, Undergraduate, 2023 - 2024
Programming Languages, Undergraduate, 2023 - 2024
Programlama Dilleri, Undergraduate, 2023 - 2024

Jury Memberships

Post Graduate, Post Graduate, Atatürk Üniversitesi, June, 2024
Post Graduate, Post Graduate, Atatürk Üniversitesi, September, 2023

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **ML-DPIE: comparative evaluation of machine learning methods for drought parameter index estimation: a case study of Türkiye**
Çoban Ö., Eşit M., Yalçın S.
Natural Hazards, vol.120, no.2, pp.989-1021, 2024 (SCI-Expanded)
- II. **A new deep learning method for meteorological drought estimation based-on standard precipitation evapotranspiration index**
Yalçın S., Eşit M., ÇOBAN Ö.
Engineering Applications of Artificial Intelligence, vol.124, 2023 (SCI-Expanded)
- III. **Domain Effect Investigation for Bert Models Fine-Tuned on Different Text Categorization Tasks**
ÇOBAN Ö., YAĞANOĞLU M., BOZKURT F.
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.49, no.3, pp.3685-3702, 2023 (SCI-Expanded)
- IV. **Detection and Cross-domain Evaluation of Cyberbullying in Facebook Activity Contents for Turkish**
Coban Ö., ÖZEL S. A., Inan A.
ACM TRANSACTIONS ON ASIAN AND LOW-RESOURCE LANGUAGE INFORMATION PROCESSING, vol.22, no.4, 2023 (SCI-Expanded)
- V. **A new modification and application of item response theory-based feature selection for different machine learning tasks**
Coban Ö.
CONCURRENCY AND COMPUTATION-PRACTICE & EXPERIENCE, vol.34, no.26, 2022 (SCI-Expanded)
- VI. **IRText: An Item Response Theory-Based Approach for Text Categorization**
Coban Ö.
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.47, no.8, pp.9423-9439, 2022 (SCI-Expanded)
- VII. **Inverse document frequency-based sensitivity scoring for privacy analysis**
Coban Ö., Inan A., ÖZEL S. A.
SIGNAL IMAGE AND VIDEO PROCESSING, vol.16, no.3, pp.735-743, 2022 (SCI-Expanded)
- VIII. **Facebook Tells Me Your Gender: An Exploratory Study of Gender Prediction for Turkish Facebook Users**
Coban Ö., Inan A., ÖZEL S. A.
ACM TRANSACTIONS ON ASIAN AND LOW-RESOURCE LANGUAGE INFORMATION PROCESSING, vol.20, no.4, 2021 (SCI-Expanded)
- IX. **Deep Learning-based Sentiment Analysis of Facebook Data: The Case of Turkish Users**
Coban Ö., ÖZEL S. A., Inan A.
COMPUTER JOURNAL, vol.64, no.3, pp.473-499, 2021 (SCI-Expanded)

- X. **High Performance Twitter Sentiment Analysis Using CUDA Based Distance Kernel on GPUs**
BOZKURT F., Coban Ö., GÜNAY F. B., YÜCEL ALTAY Ş.
TEHNICKI VJESNIK-TECHNICAL GAZETTE, vol.26, no.5, pp.1218-1227, 2019 (SCI-Expanded)

Articles Published in Other Journals

- I. **Anatomical and radiological evaluation of frontal lobe morphometry in healthy and dementia people and machine learning-based prediction of dementia**
POLAT S., TUNÇ M., ÖKSÜZLER M., ÇOBAN Ö., ÖZEL S. A., GÖKER P.
CUKUROVA MEDICAL JOURNAL, vol.48, no.2, pp.541-558, 2023 (ESCI)
- II. **An Up-to-date Comparative Analysis of the KNN Classifier Distance Metrics for Text Categorization**
ÇOBAN Ö.
Data Science and Informetrics, 2023 (Peer-Reviewed Journal)
- III. **Assessment of Nature-Inspired Algorithms for Text Feature Selection**
ÇOBAN Ö.
Computer Science, vol.23, no.2, pp.179-204, 2022 (ESCI)
- IV. **Think before you share in OSNs: Textual content and connection weight put you at higher privacy risk**
ÇOBAN Ö., İNAN A., ÖZEL S. A.
INTERNATIONAL JOURNAL OF INFORMATION SECURITY SCIENCE, vol.11, no.2, pp.25-51, 2022 (Peer-Reviewed Journal)
- V. **An Exploratory Analysis of Leaked Facebook Data: A Case of Turkish Users**
ÇOBAN Ö.
INTERNATIONAL JOURNAL OF INFORMATION SECURITY SCIENCE, vol.10, no.4, pp.119-137, 2021 (Peer-Reviewed Journal)
- VI. **Your Username Can Give You Away: Matching Turkish OSN Users with Usernames**
ÇOBAN Ö., İNAN A., ÖZEL S. A.
INTERNATIONAL JOURNAL OF INFORMATION SECURITY SCIENCE, vol.10, no.1, pp.1-15, 2021 (Peer-Reviewed Journal)
- VII. **Towards the Design and Implementation of an OSN Crawler: A Case of Turkish Facebook Users**
ÇOBAN Ö., İNAN A., ÖZEL S. A.
INTERNATIONAL JOURNAL OF INFORMATION SECURITY SCIENCE, vol.9, no.2, pp.76-93, 2020 (Peer-Reviewed Journal)
- VIII. **Adapting Text Categorization for Manifest Based Android Malware Detection**
ÇOBAN Ö., ÖZEL S. A.
Computer Science, vol.20, no.3, pp.383-405, 2019 (ESCI)
- IX. **An Empirical Study of the Extreme Learning Machine for Twitter Sentiment Analysis**
ÇOBAN Ö., ÖZYILDIRIM B. M., ÖZEL S. A.
International Journal of Intelligent Systems and Applications in Engineering, vol.3, no.6, pp.178-184, 2018 (Peer-Reviewed Journal)
- X. **The impact of term weighting method on Twitter sentiment analysis**
Çoban Ö., Tümüklü Özyer G.
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BILIMLERI DERGISI, vol.24, no.2, pp.283-291, 2018 (ESCI)
- XI. **Twitter duygu analizinde terim ağırlıklandırma yönteminin etkisi**
Çoban Ö., Tümüklü Özyer G.
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BILIMLERI DERGISI, vol.24, no.2, pp.283-291, 2018 (Peer-Reviewed Journal)
- XII. **Turkish Music Genre Classification using Audio and Lyrics Features**
ÇOBAN Ö.

Books & Book Chapters

I. **Hiper Metin İşaretleme Diline Giriş**

ÇOBAN Ö.

in: Web Yayıncılığı, Faruk Baturalp Günay, Editor, Atatürk Üniversitesi Açık ve Uzaktan Öğretim Fakültesi, Erzurum, pp.84-103, 2024

Refereed Congress / Symposium Publications in Proceedings

I. **Predicting Child Development Status: Can Machine Learning Help?**

ÇOBAN Ö., ŞEHİTOĞLU E., YAĞANOĞLU M.

The 4th International Conference on Emerging Smart Technologies and Applications (eSmarTA-2024), Sana'a, Yemen, 6 - 07 August 2024

II. **Comparative Analysis of Cyberbullying Detection: A case study for Turkish and English**

Najib A., ÖZEL S. A., ÇOBAN Ö.

2023 Innovations in Intelligent Systems and Applications Conference, ASYU 2023, Sivas, Turkey, 11 - 13 October 2023

III. **Use of Different Variants of Item Response Theory-Based Feature Selection Method for Text Categorization**

ÇOBAN Ö.

International Conference on Theoretical and Applied Computer Science and Engineering, İstanbul, Turkey, 30 September - 01 October 2022

IV. **An Analysis on Identifying Real Names of Users from Usernames**

ÇOBAN Ö.

2022 30th Signal Processing and Communications Applications Conference (SIU), Safranbolu, Turkey, 15 - 18 May 2022, pp.1-4

V. **Mobile Malware Detection Using Classification Techniques**

KARABEY AKSAKALLI I., ÇOBAN Ö.

Academics World 20th International Conference, İstanbul, Turkey, 03 February 2016, pp.1-4

VI. **Fine-grained Kinship Detection for Facebook Users based on Wall Contents**

ÇOBAN Ö., İNAN A., ÖZEL S. A.

2021 Innovations in Intelligent Systems and Applications Conference (ASYU), Elazığ, Turkey, 6 - 08 October 2021, pp.1-6

VII. **Named Entity Recognition over FBNER: A New Facebook Dataset in Turkish**

ÇOBAN Ö., ÖZEL S. A., İNAN A.

2021 Innovations in Intelligent Systems and Applications Conference (ASYU), Elazığ, Turkey, 6 - 08 October 2021, pp.1-6

VIII. **Facebook Kullanıcıları İçin Gizlilik Riski Analizi**

ÇOBAN Ö., İNAN A., ÖZEL S. A.

28. IEEE Sinyal İşleme ve İletişim Uygulamaları Kurultayı, Gaziantep, Turkey, 5 - 07 October 2020

IX. **Turkish named entity discovery based on termsets**

ÇOBAN Ö., ÖZEL S. A., İNAN A.

4th International Conference on Computer Science and Engineering, Samsun, Turkey, 11 - 15 September 2019, pp.28-32

X. **Word2vec and Clustering based Twitter Sentiment Analysis**

ÇOBAN Ö., TÜRÜKLÜ ÖZYER G.

International Conference on Artificial Intelligence and Data Processing (IDAP 2018), Malatya, Turkey, 28 - 30 September 2018

XI. An Evaluation of Character Level N-gram Termsets in Text Categorization

ÇOBAN Ö., ÖZEL S. A.

International Conference on Artificial Intelligence and Data Processing (IDAP 2018), Malatya, Turkey, 28 - 30 September 2018

XII. Utilizing Language Model for Term Weighting in Text Categorization

ÇOBAN Ö., ÖZEL S. A.

International Conference on Artificial Intelligence and Data Processing (IDAP 2018), Malatya, Turkey, 28 - 30 September 2018

XIII. Music genre classification with word and document vectors

ÇOBAN Ö., KARABEY I.

Signal Processing and Communications Applications Conference (SIU), Antalya, Turkey, 15 - 18 May 2017

XIV. Investigating Performance of ANFIS based equalization on Non-linear and Different Channel Models

BOZKURT F., GÜNAY F. B., ÇOBAN Ö.

International Artificial Intelligence and Data Processing Symposium, IDAP'16, Malatya, Turkey, 17 - 18 September 2016, vol.1, pp.227-233

XV. Sentiment Classification for Turkish Twitter Feeds using LDA

ÇOBAN Ö., TÜMÜKLÜ ÖZYER G.

24th Signal Processing and Communication Application Conference (SIU), Zonguldak, Turkey, 16 - 19 May 2016, pp.129-132

XVI. Music Genre Classification from Turkish Lyrics

ÇOBAN Ö., TÜMÜKLÜ ÖZYER G.

24th Signal Processing and Communication Application Conference (SIU), Zonguldak, Turkey, 16 - 19 May 2016, pp.101-104

XVII. Acil Servis Verilerinden Birliktelik Kuralı Apriori Yöntemi ile Hasta Profiline Çıkarılması

ÇOBAN Ö., KARABEY I., GÜNAY F. B.

2. Ulusal Yönetim Bilişim Sistemleri Kongresi, Turkey, 8 - 10 October 2015

XVIII. A Comparison of Similarity Metrics for Sentiment Analysis on Turkish Twitter Feeds

ÇOBAN Ö., ÖZYER B., TÜMÜKLÜ ÖZYER G.

2015 IEEE International Conference on Smart City/SocialCom/SustainCom (SmartCity), Chengdu, China, 19 - 21 December 2015, pp.333-338

XIX. SMS Spam Filtering based on Text Classification and Expert System

Bozan Y. S., Coban Ö., Ozyer G. T., ÖZYER B.

23rd Signal Processing and Communications Applications Conference (SIU), Malatya, Turkey, 16 - 19 May 2015, pp.2345-2348

XX. Sentiment Analysis for Turkish Twitter Feeds

Coban Ö., Özyer B., Ozyer G. T.

23rd Signal Processing and Communications Applications Conference (SIU), Malatya, Turkey, 16 - 19 May 2015, pp.2388-2391

Supported Projects

Yücel Altay Ş., Çoban Ö., Project Supported by Higher Education Institutions, Çevrimiçi Ağlar Üzerinde Metin Sınıflama Tabanlı Cinsiyet Çıkarımı İçin Bölüm Üyeliği Filtreleme Algoritmasının Kullanımı, 2024 - 2026

Çoban Ö., Bozkurt F., Project Supported by Higher Education Institutions, Developing a Machine Learning-Based Model for Predicting Climate Parameters, 2024 - 2025

Kul S., Ozan C., Şimşek E., Çoban Ö., Başar M. S., Bozkurt F., Nursaçan İ. C., Çiftçi Y., Project Supported by Higher Education Institutions, Eğitim Materyalinden Yapay Zekâ Yöntemleri ile Çoktan Seçmeli Test Sorusu Hazırlama Açıköğretim Fakültesi Uygulaması, 2021 - 2023

Scientific Refereeing

Discover Computing, Journal Indexed in SCI-E, February 2024

Social Network Analysis and Mining, Journal Indexed in SCI-E, September 2023

Metrics

Publication: 43

Citation (WoS): 100

Citation (Scopus): 159

H-Index (WoS): 5

H-Index (Scopus): 7

Awards

Çoban Ö., Özel S. A., İnan A., Best paper, Ieee Haberleşme Topluluğu Türkiye Kolu, May 2021