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Kişisel Bilgiler

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Eğitim Bilgileri

Post Doktora, University of Central Florida, Amerika Birleşik Devletleri 2018 - 2019

Bütünleşik Doktora, İhsan Doğramacı Bilkent Üniversitesi, Computer Engineering, Türkiye 2011 - 2017

Doktora, İhsan Doğramacı Bilkent Üniversitesi, Türkiye 2011 - 2017

Yüksek Lisans, İhsan Doğramacı Bilkent Üniversitesi, Türkiye 2009 - 2011

Lisans, İhsan Doğramacı Bilkent Üniversitesi, Türkiye 2005 - 2009

Araştırma Alanları

Yapay Zeka, Bilgisayarda Öğrenme ve Örüntü Tanıma, Doğal Dil İşlemesi, İnsan Bilgisayar Etkileşimi, Metin/Doküman İşleme, Sinirsel Ağlar

Akademik Unvanlar / Görevler

Dr. Öğr. Üyesi, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2024 - Devam Ediyor

Verdiği Dersler

Applied Natural Language Processing, Yüksek Lisans, 2024 - 2025

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayımlanan Makaleler

I. **Constructing ensembles for hate speech detection**

Kucukkaya I. E., TORAMAN Ç.

NATURAL LANGUAGE PROCESSING, 2024 (SCI-Expanded)

II. **The effect of gender bias on hate speech detection**

Sahinuc F., Yilmaz E. H., Toraman Ç., Koc A.

SIGNAL IMAGE AND VIDEO PROCESSING, cilt.17, sa.4, ss.1591-1597, 2023 (SCI-Expanded)

III. **Impact of Tokenization on Language Models: An Analysis for Turkish**

Toraman Ç., Yilmaz E. H., Sahinuc F., Ozcelik O.

ACM TRANSACTIONS ON ASIAN AND LOW-RESOURCE LANGUAGE INFORMATION PROCESSING, cilt.22, sa.4, 2023 (SCI-Expanded)

IV. Named entity recognition in Turkish: A comparative study with detailed error analysis

Ozcelik O., Toraman Ç.

INFORMATION PROCESSING & MANAGEMENT, cilt.59, sa.6, 2022 (SCI-Expanded)

V. Event-related microblog retrieval in Turkish

Toraman Ç.

TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, cilt.30, sa.3, ss.1067-1083, 2022 (SCI-Expanded)

VI. Discovering Story Chains: A Framework Based on Zigzagged Search and News Actors

Toraman Ç., Can F.

JOURNAL OF THE ASSOCIATION FOR INFORMATION SCIENCE AND TECHNOLOGY, cilt.68, sa.12, ss.2795-2808, 2017 (SCI-Expanded)

VII. A front-page news-selection algorithm based on topic modelling using raw text

Toraman Ç., Can F.

JOURNAL OF INFORMATION SCIENCE, cilt.41, sa.5, ss.676-685, 2015 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

I. Understanding social engagements: A comparative analysis of user and text features in Twitter

Toraman Ç., Sahinuc F., Yilmaz E. H., Akkaya I. B.

SOCIAL NETWORK ANALYSIS AND MINING, cilt.12, sa.1, 2022 (ESCI)

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

I. MiDe22: An Annotated Multi-Event Tweet Dataset for Misinformation Detection

TORAMAN Ç., Ozcelik O., Şahinuc F., Can F.

Joint 30th International Conference on Computational Linguistics and 14th International Conference on Language Resources and Evaluation, LREC-COLING 2024, Hybrid, Torino, İtalya, 20 - 25 Mayıs 2024, ss.11283-11295

II. PejorativITy: Disambiguating Pejorative Epithets to Improve Misogyny Detection in Italian Tweets

Muti A., Ruggeri F., TORAMAN Ç., Musetti L., Algherini S., Ronchi S., Saretto G., Zapparoli C., Barrón-Cedeño A.

Joint 30th International Conference on Computational Linguistics and 14th International Conference on Language Resources and Evaluation, LREC-COLING 2024, Hybrid, Torino, İtalya, 20 - 25 Mayıs 2024, ss.12700-12711

III. JL-Hate: An Annotated Dataset for Joint Learning of Hate Speech and Target Detection

Buyukdemirci K., Kucukkaya I. E., Olmez E., TORAMAN Ç.

Joint 30th International Conference on Computational Linguistics and 14th International Conference on Language Resources and Evaluation, LREC-COLING 2024, Hybrid, Torino, İtalya, 20 - 25 Mayıs 2024, ss.9543-9553

IV. ARC-NLP at ClimateActivism 2024: Stance and Hate Speech Detection by Generative and Encoder Models Optimized with Tweet-Specific Elements

Kaya A. K., Ozcelik O., Toraman Ç.

7th Workshop on Challenges and Applications of Automated Extraction of Socio-Political Events from Text, CASE 2024, St. Julian's, Malta, 22 Mart 2024, ss.111-117

V. Zero and Few-shot Hate Speech Detection in Social Media Messages Related to Earthquake Disaster

Sahin U., Kucukkaya I. E., Ozcelik O., Toraman Ç.

31st IEEE Conference on Signal Processing and Communications Applications (SIU), İstanbul, Türkiye, 5 - 08 Temmuz 2023

VI. ARC-NLP at Multimodal Hate Speech Event Detection 2023: Multimodal Methods Boosted by Ensemble Learning, Syntactical and Entity Features

Sahin U., Kucukkaya I. E., Ozcelik O., Toraman Ç.

6th Workshop on Challenges and Applications of Automated Extraction of Socio-Political Events from Text, CASE 2023, Varna, Bulgaristan, 07 Eylül 2023, ss.71-78

VII. **SiMiD: Similarity-based Misinformation Detection via Communities on Social Media Posts**

Ozcelik O., Toraman Ç., Can F.

10th International Conference on Social Networks Analysis, Management and Security, SNAMS 2023, Abu Dhabi, Birleşik Arap Emirlikleri, 21 - 24 Kasım 2023

VIII. **ARC-NLP at PAN 2023: Transition-Focused Natural Language Inference for Writing Style Detection**

Kucukkaya I. E., Sahin U., Toraman Ç.

24th Working Notes of the Conference and Labs of the Evaluation Forum, CLEF-WN 2023, Thessaloniki, Yunanistan, 18 - 21 Eylül 2023, cilt.3497, ss.2659-2668

IX. **ARC-NLP at PAN 2023: Hierarchical Long Text Classification for Trigger Detection**

Sahin U., Kucukkaya I. E., Toraman Ç.

24th Working Notes of the Conference and Labs of the Evaluation Forum, CLEF-WN 2023, Thessaloniki, Yunanistan, 18 - 21 Eylül 2023, cilt.3497, ss.2747-2757

X. **D2U: Distance-to-Uniform Learning for Out-of-Scope Detection**

Yilmaz E. H., Toraman Ç.

Conference of the North-American-Chapter-of-the-Association-for-Computational-Linguistics (NAAACL) - Human Language Technologies, Washington, Amerika Birleşik Devletleri, 10 - 15 Temmuz 2022, ss.2093-2108

XI. **ARC-NLP at CASE 2022 Task 1: Ensemble Learning for Multilingual Protest Event Detection**

Sahin U., Ozcelik O., Kucukkaya I. E., Toraman Ç.

5th Workshop on Challenges and Applications of Automated Extraction of Socio-Political Events from Text, CASE 2022, Abu Dhabi, Birleşik Arap Emirlikleri, 7 - 08 Aralık 2022, ss.175-183

XII. **BlackLivesMatter 2020: An Analysis of Deleted and Suspended Users in Twitter**

Toraman Ç., Sahinuc F., Yilmaz E. H.

14th ACM Web Science Conference (WebSci), Barcelona, İspanya, 26 - 29 Haziran 2022, ss.290-295

XIII. **Large-Scale Hate Speech Detection with Cross-Domain Transfer**

Toraman Ç., Sahinuc F., Yilmaz E. H.

13th International Conference on Language Resources and Evaluation (LREC), Marseille, Fransa, 20 - 25 Haziran 2022, ss.2215-2225

XIV. **ARC-NLP at CheckThat! 2022: Contradiction for Harmful Tweet Detection**

Toraman Ç., Ozcelik O., Şahinuc F., Sahin U.

2022 Conference and Labs of the Evaluation Forum, CLEF 2022, Bologna, İtalya, 5 - 08 Eylül 2022, cilt.3180, ss.722-739

XV. **Slot Filling for Voice Assistants Sesli Asistanlarda Parametre Etiketleme**

Ozcelik O., Yilmaz E. H., Sahinuc F., Toraman Ç.

30th Signal Processing and Communications Applications Conference, SIU 2022, Safranbolu, Türkiye, 15 - 18 Mayıs 2022

XVI. **Topic Detection based on Deep Learning Language Model in Turkish Microblogs**

Sahinuc F., Toraman Ç., Koc A.

29th IEEE Conference on Signal Processing and Communications Applications (SIU), ELECTR NETWORK, 9 - 11 Haziran 2021

XVII. **Tweet Length Matters: A Comparative Analysis on Topic Detection in Microblogs**

Şahinuc F., Toraman Ç.

43rd European Conference on Information Retrieval, ECIR 2021, Virtual, Online, 28 Mart - 01 Nisan 2021, cilt.12657 LNCS, ss.471-478

XVIII. **Intent Classification based on Deep Learning Language Model in Turkish Dialog Systems**

Yilmaz E. H., Toraman Ç.

29th IEEE Conference on Signal Processing and Communications Applications (SIU), ELECTR NETWORK, 9 - 11 Haziran 2021

XIX. **KLOOS: KL Divergence-based Out-of-Scope Intent Detection in Human-to-Machine Conversations**

Yilmaz E. H., Toraman Ç.

43rd International ACM SIGIR Conference on Research and Development in Information Retrieval (SIGIR), ELECTR NETWORK, 25 - 30 Temmuz 2020, ss.2105-2108

XX. CrossSimON: A Novel Probabilistic is Approach to Cross-Platform Online Social Network Simulation

Liu J, Chung W, Huang Y, Toraman Ç.

17th IEEE Annual International Conference on Intelligence and Security Informatics (ISI), Shenzhen, Çin, 1 - 03 Temmuz 2019, ss.7-12

XXI. A Deep Learning Approach to Modeling Temporal Social Networks on Reddit

Chung W, Toraman Ç., Huang Y, Vora M, Liu J.

17th IEEE Annual International Conference on Intelligence and Security Informatics (ISI), Shenzhen, Çin, 1 - 03 Temmuz 2019, ss.68-73

XXII. SimON-Feedback: An Iterative Algorithm for Performance Tuning in Online Social Simulation

Vora M, Chung W, Toraman Ç., Huang Y.

17th IEEE Annual International Conference on Intelligence and Security Informatics (ISI), Shenzhen, Çin, 1 - 03 Temmuz 2019, ss.13-17

XXIII. Squeezing the ensemble pruning: Faster and more accurate categorization for news portals

Toraman Ç., Can F.

34th European Conference on Information Retrieval, ECIR 2012, Barcelona, İspanya, 1 - 05 Nisan 2012, cilt.7224 LNCS, ss.508-511

XXIV. Developing a text categorization template for Turkish news portals

Toraman Ç., Can F, Koçberber S.

2011 International Symposium on INnovations in Intelligent SysTems and Applications, INISTA 2011, Istanbul-Kadikoy, Türkiye, 15 - 18 Haziran 2011, ss.379-383

XXV. Ensemble Pruning for Text Categorization Based on Data Partitioning

Toraman Ç., Can F.

7th Asia Information Retrieval Societies Conference (AIRS 2011), Dubai, Birleşik Arap Emirlikleri, 18 - 20 Aralık 2011, ss.352-361

Bilimsel Araştırma / Çalışma Grubu Üyelikleri

Applied Natural Language Processing Group, Orta Doğu Teknik Üniversitesi, Turkey, <https://nlp.ceng.metu.edu.tr>, 2024 - Devam Ediyor

Metrikler

Yayın: 33

Atf (WoS): 51

Atf (Scopus): 133

H-İndeks (WoS): 5

H-İndeks (Scopus): 7