

# Ali Hürriyetoglu, Ph.D.

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## Employment History

- Jun, 2023 – Nov, 2023 ■ **Senior Data Science Researcher.** Wageningen Food Safety Research (WFSR), the Netherlands  
I am a managing partner of two European Horizon Projects at WFSR. These projects are EFRA: Extreme Food Risk Analytics and ECO-READY: Achieving Ecological Resilient Dynamism for the European food system through consumer-driven policies. We mainly work on setting up early warning and federated learning systems in the scope of food safety and food security domains. Detailed information on these projects can be found on <https://efraproject.eu/> and <https://www.eco-ready.eu/> respectively.
- Jan, 2022 – Dec, 2023 ■ **Postdoctoral Research Fellow.** Royal Netherlands Academy of Arts and Sciences (KNAW), the Netherlands  
I work on historical text processing in the scope of Odeuropa project. I built text classification and smell information extraction models using BERT variants. I run these tools on large historical text archives (books) that were either ready or scraped, cleaned, and preprocessed by me. The output of the system is on <https://explorer.odeuropa.eu>. URL: <https://odeuropa.eu/> Moreover, I led the organization of the challenge MUSTI - Multimodal Understanding of Smells in Texts and Images at MediaEval 2022 and MediaEval 2023. URL: <https://multimediaeval.github.io/editions/2022/tasks/musti/>.
- Nov, 2021 – not applicable ■ **Co-founder, Chief Technology Officer (CTO)** Politus Analytics, Türkiye  
Politus Analytics is a data platform that uses artificial intelligence and big data methods to automatically measure trends in the public. Politus Analytics provides representative, high-frequency, real-time, and geographically detailed panel data on key political, social and market trends in Turkey. Politus Analytics automatically analyzes the digital trace data of social media users with natural language processing, network analysis and deep learning methods, and makes measurements about public dynamics such as changes in consumer and voter trends, ideologies, beliefs and values, and issues that society cares about. I am leading the technical team for the development and implementation of artificial intelligence methods. URL: <https://politusanalytics.com/en/>.

## Employment History (continued)

- Sep, 2019 – Jun, 2023 ■ **Lecturer.** Koc University, Turkey  
*Undergraduate course(s):* I designed and delivered the course Social Sciences and Computing for six semesters. This course was an introduction to programming for social science students that are from various departments and at various levels. Students had to learn programming, social aspects of programming, and how computation and big data affect societies.  
*Master course(s):* I designed and taught the course Automated Text Processing for Social Sciences for one semester at master level. The aim of the course was to enable graduate students in social sciences to learn natural language processing and machine learning techniques and conduct computational social science studies utilizing big text collections.
- Dec, 2017 – December, 2021 ■ **Postdoctoral Research Fellow.** Koc University, Turkey  
*Emerging Welfare (EMW):* I led the creation of a multi-country and multi-lingual protest events database from news archives and organized international workshops and shared tasks in this line. We i) crawled news text collections from their sources using web scraping, sampled them, facilitated their annotation, created BERT based deep learning models, and processed the news archives with these models; ii) quantified the performance drop in cross-country and cross-lingual settings, iii) initiated and have been organizing a workshop and shared-task series to increase generalizability of our text processing tools, iv) developed web demos such as GLOCON (URL: <https://glocon.ku.edu.tr/>) and GLOW (<https://glow.ku.edu.tr/>) for presenting our results. URL: <https://emw.ku.edu.tr>  
*Building the Future: Excelling in Computational and Quantitative Social Sciences in Turkey (Social ComQuant):* I co-organized international workshops, summer schools, and exchange programs related to computational social science (CSS). I worked on the establishment of a master's program and a research center on computational social science. I worked on research, administration, and data management (as data officer of the project) tasks. URLs: <https://socialcomquant.ku.edu.tr> and <https://ccss.ku.edu.tr/>
- Jul, 2016 – Jun, 2019 ■ **Data Scientist (Methodoloog).** Statistics Netherlands (CBS), the Netherlands  
I performed research and delivered trainings on text mining and social media analysis to produce national statistics using data science techniques. My research was on traffic related information extraction and user country identification using Twitter data. The trainings I delivered were on collection and analysis of Twitter and webpage data. I took role in the establishment of the Center for Big Data Statistics and was supervisor of trainees in this center. This job was part-time between December 2017 and June 2019.







## Employment History (continued)

- Jul, 2012 – Jun, 2016 ■ **Researcher, Ph.D. candidate.** Radboud University, Netherlands  
I carried out event information analysis and filtering relevant information on Twitter using time series, text mining, and machine learning (Supervised machine learning using Support Vector Machines and Unsupervised Machine Learning using K-Means clustering) techniques. I published academic papers and developed demos as output of my research. I established connections and collaborated with Floodtags (a semi-supervised machine learning for conceptualization and operationalization of a tweet classification system) and Statistics Netherlands (CBS) (a rule-based traffic information extraction system) in the scope of my research. I acquired a valorization grant with Floodtags during my Ph.D. and employed at CBS as a continuation of my studies.
- Jan, 2011 – Jun, 2016 ■ **Language Technology Consultant.** Various employers (EU JRC, Microsoft, Cerence, Appen, Lionbridge, etc.)  
I created language resources for, developed software of, and assured the quality of language technology systems. This work was performed mainly in professional environments in teams and mainly online. In addition to learning and applying technical aspects, understanding the task and performing it in the environment of the client was one of the key skills I learned in the scope of these projects.
- Nov, 2008 – Oct, 2010 ■ **Research Assistant (Academic personnel).** Middle East Technical University, Turkey  
I maintained the ICT infrastructure of the labs and was the teaching assistant of the database systems course at the department of Computer Education and Instructional Technology at METU. This was a full-time employment. The title “Research assistant” actually is an academic personnel at a university in Turkey.




## Commercial Activities

- Co-founder ■ Politus Analytics, A start-up that focuses on political data analysis using Artificial Intelligence, <https://politusanalytics.com/>, Turkey, 2021.
- Grants ■ ✓ *Investitionsbank Berlin (IBB.de), Pro FIT-Project:* “ML-based creation, curation, orchestration of online training courses on digitization” with Dinah Schmechel, Teresa Baumann, and Andrei Tolocica, ~ €1,200,000, Germany, 2022. ✓ *European Research Council, Proof of Concept grant:* “Politus: AI-based Data Platform for Fair Social Policies” with Prof. Erdem Yörük and Özgen Yıldız, ~ €150,000, Europe, 2021. ✓ *TUBITAK - 1512 Multiphase Entrepreneurship Grant Program:* “Political Data Analysis Using Artificial Intelligence” with Prof. Erdem Yörük and Özgen Yıldız, ~ €20,000, Turkey, 2021. ✓ *Dutch Research Council (NWO) Open Technology Programme:* “EventIX: Event Information eXtraction from Social Media” in collaboration with Floodtags and RIVM, (**not funded**, €500,000), the Netherlands, 2017.
- Traineeships ■ ✓ Computational linguist, Sentiment analysis, Netbase Quid, United States, Aug 2015 - Jan 2016 ✓ Computational linguist, Information extraction, European Union, Joint Research Centre, Italy, Oct 2010 - Sep 2011 ✓ Software engineer, Software development, İşbank, Germany, Jul - Aug 2007.
- Demos ■ ✓ *GLOCON: Global Contentious Politics*, <https://glocon.ku.edu.tr> ✓ *Relevancer: Discovering Relevant Tweets*, <https://bitbucket.org/hurrial/relevancer>. ✓ *SInfEx: Social Information Extraction*, <https://bitbucket.org/hurrial/sinfex>

## Education


- 2012 – 2019  **Ph.D., Communication and Information Studies.** Faculty of Arts, Radboud University, the Netherlands → *Thesis:* Extracting Actionable Information from Microtexts.  <https://hdl.handle.net/2066/204517>  
*Traineeship:* Computational linguistics, Netbase Quid, United States (5 months, was awarded performance bonus)  
*Visiting researcher:* Information and Language Processing Systems (ILPS), University of Amsterdam, the Netherlands (once a week for a year)
- 2008 – 2012  **M.Sc., Cognitive Science.** Middle East Technical University, Turkey → *Thesis:* Tense, Aspect and Mood based Event Extraction for Situation Analysis and Crisis Management.  <https://etd.lib.metu.edu.tr/upload/12614296/index.pdf>  
*Traineeship:* Computational linguist, European Union, Joint Research Centre, Italy (1 year)
- 2004 – 2008  **BA, Computer Engineering.** Ege University, Turkey → *Thesis:* Simulation of Human Cognitive Processes as a Website in Java (in Turkish).  <https://www.dropbox.com/s/hwpp80adkvlvzbs/BA-TEZ.pdf?dl=0>  
*Erasmus Exchange:* TH Mittelhessen University of Applied Sciences, Germany  
*Traineeship:* Software engineer, İşbank, Germany (2 months)

## Teaching and Supervision

- Lecturer  *Automated Text Processing for Social Sciences:* I designed and delivered this graduate-level course in the scope of the master program Computational Social Science at Koc University in Spring semesters 2022 and 2024.  
*Social Sciences and Computing:* I designed and taught this undergraduate course between 2019 and 2021 for six semesters at the College of Social Sciences and Humanities at Koc University. I taught both Python programming and how algorithms affect our lives in the scope of this course.
- Trainer  *Text mining and Natural Language Processing for Computational Social Sciences:* I was a trainer and a mentor in this summer school during summer in 2022.  
*Software Development and Data Analysis for Social Science:* I delivered a week long training at Koc University Vehbi Koc Ankara Research Center (VEKAM) in September, 2021.  
*Big Data Sources – Web, Social Media and Text Analytics:* I delivered one-week trainings to statisticians from many countries within the scope of Eurostat education program.  
*Text mining for Official Statistics:* I delivered trainings at Statistics Netherlands for 2 years.
- Supervisor  *Master Students:* M. Abdullatif, S. Ekiz Başar, A. Beyaz, B. Büyüköz, and O. Mutlu.  
*LLP/Erasmus Work Placement Program:* I coordinated summer research visits of four undergraduate students from Turkey to Radboud University between 2014-2016 and one student from Turkey to KNAW Humanities Cluster DHLab in 2022.  
*Koc University Summer Research Program:* I supervised 5-10 undergraduate and graduate students during summer in 2019, 2020, and 2021.

## Research Publications

### Journal Articles

- 1 van Erp, M., Tullett, W., Christlein, V., Ehrhart, T., **Hürriyetöglu, A.**, Leemans, I., ... Zinnen, M. (2023). More than the Name of the Rose: How to Make Computers Read, See, and Organize Smells. *The American Historical Review*, 128(1), 335–369.  doi:10.1093/ahr/rhad141. eprint: <https://academic.oup.com/ahr/article-pdf/128/1/335/49717518/rhad141.pdf>

- 2 Massri, M. B., Novalija, I., Mladenčić, D., Brank, J., Graça da Silva, S., Marrouch, N., ... Šircelj, B. (2022). Harvesting Context and Mining Emotions Related to Olfactory Cultural Heritage. *Multimodal Technologies and Interaction*, 6(7). [doi:10.3390/mti6070057](https://doi.org/10.3390/mti6070057)
- 3 **Hürriyetoğlu, A.**, Yörük, E., Mutlu, O., Duruşan, F., Yoltar, Ç., Yüret, D., & Gürel, B. (2021). Cross-Context News Corpus for Protest Event-Related Knowledge-Base Construction. *Data Intelligence*, 3(2), 308–335. [doi:10.1162/dint\\_a\\_00092](https://doi.org/10.1162/dint_a_00092)
- 4 Yörük, E., **Hürriyetoğlu, A.**, Yoltar, Ç., & Duruşan, F. (2021). Random Sampling in Corpus Design: Cross-Context Generalizability in Automated Multicountry Protest Event Collection. *American Behavioral Scientist*, 0(0), 00027642211021630. [doi:10.1177/00027642211021630](https://doi.org/10.1177/00027642211021630). eprint: <https://doi.org/10.1177/00027642211021630>
- 5 Hendrickx, I., Onrust, L., Kunneman, F., **Hürriyetoğlu, A.**, Stoop, W., & van den Bosch, A. (2017). Unraveling Reported Dreams with Text Analytics. *Digital Humanities Quarterly*, 11(4). Retrieved from <http://www.digitalhumanities.org/dhq/vol/11/4/000342/000342.html>
- 6 Dalkılıç, F., Karaarslan, E., & **Hürriyetoğlu, A.** (2016). Linguistic Studies on Tweets from Muğla Region: A Preliminary Study. *Yönetim Bilişim Sistemleri Dergisi*, 2(2), 29–39. Retrieved from <https://dergipark.org.tr/en/pub/ybs/issue/27323/287634>
- 7 Kunneman, F., **Hürriyetoğlu, A.**, Oostdijk, N., & den Bosch, A. V. (2014). Timely Identification of Event Start Dates from Twitter. *Computational Linguistics in the Netherlands Journal*, 4, 39–52. Retrieved from <https://clinjournal.org/clinj/article/view/39>
- 8 Steinberger, J., Ebrahim, M., Ehrmann, M., **Hürriyetoğlu, A.**, Kabadjov, M. A., Lenkova, P., ... Zavarella, V. (2012). Creating Sentiment Dictionaries via Triangulation. *Decision Support Systems*, 53(4), 689–694. [doi:10.1016/j.dss.2012.05.029](https://doi.org/10.1016/j.dss.2012.05.029)

## Books and Chapters

- 1 **Hürriyetoğlu, A.**, Oostdijk, N., & van den Bosch, A. (2018). Estimating Time to Event based on Linguistic Cues on Twitter. In K. Shaalan, A. E. Hassanien, & F. Tolba (Eds.), *Intelligent Natural Language Processing: Trends and Applications* (Vol. 740, pp. 67–97). [doi:10.1007/978-3-319-67056-0\\_5](https://doi.org/10.1007/978-3-319-67056-0_5)

## Conference Proceedings

- 1 **Hürriyetoğlu, A.**, Paccosi, T., Menini, S., Zinnen, M., Lisena, P., Akdemir, K., ... van Erp, M. (2023). MUSTI - Multimodal Understanding of Smells in Texts and Images at MediaEval 2022. In *Mediaeval 2022*, Online: CEUR.
- 2 **Hürriyetoğlu, A.**, Mutlu, O., Duruşan, F., Uca, O., Gürel, A. S., Radford, B., ... Yörük, E. (2022). Extended Multilingual protest news detection - Shared Task 1, CASE 2021 and 2022. In *Proceedings of the 5th workshop on challenges and applications of automated extraction of socio-political events from text (case 2022)*, online: Association for Computational Linguistics (ACL).
- 3 **Hürriyetoğlu, A.**, Tanev, H., Zavarella, V., Yeniterzi, R., Mutlu, O., & Yörük, E. (2022). Challenges and Applications of Automated Extraction of Socio-political Events from Text (CASE 2022): Workshop and Shared Task Report. In *Proceedings of the 5th workshop on challenges and applications of automated extraction of socio-political events from text (case 2022)*, Online: Association for Computational Linguistics.
- 4 Kiymet Akdemir, K., & **Hürriyetoğlu, A.** (2022). Zero-Shot Ranking Socio-Political Texts with Transformer Language Models to Reduce Close Reading Time. In *Proceedings of the 5th workshop on challenges and applications of automated extraction of socio-political events from text (case 2022)*, online: Association for Computational Linguistics (ACL).

- 5 Tan, F. A., **Hürriyetoglu, A.**, Caselli, T., Oostdijk, N., Hettiarachchi, H., Nomoto, T., ... Liza, F. F. (2022). Event Causality Identification with Causal News Corpus - Shared Task 3, CASE 2022. In *Proceedings of the 5th workshop on challenges and applications of automated extraction of socio-political events from text (case 2022)*, Online: Association for Computational Linguistics.
- 6 Zavarella, V., Tanev, H., **Hürriyetoglu, A.**, Wiriathamabhum, P., & De Longueville, B. (2022). Tracking COVID-19 protest events in the United States. Shared Task 2: Event Database Replication, CASE 2022. In *Proceedings of the 5th workshop on challenges and applications of automated extraction of socio-political events from text (case)* (pp. 209–216). Abu Dhabi, United Arab Emirates (Hybrid): Association for Computational Linguistics. Retrieved from <https://aclanthology.org/2022.case-1.29>
- 7 Menini, S., Paccosi, T., Tonelli, S., Van Erp, M., Leemans, I., Lisena, P., ... Zidar, A. (2022). A Multilingual Benchmark to Capture Olfactory Situations over Time. In *Proceedings of the 3rd Workshop on Computational Approaches to Historical Language Change* (pp. 1–10). [doi:10.18653/v1/2022.lchange-1.1](https://doi.org/10.18653/v1/2022.lchange-1.1)
- 8 Tan, F. A., **Hürriyetoglu, A.**, Caselli, T., Oostdijk, N., Nomoto, T., Hettiarachchi, H., ... Hu, T. (2022). The Causal News Corpus: Annotating Causal Relations in Event Sentences from News. In *Proceedings of the language resources and evaluation conference* (pp. 2298–2310). Marseille, France: European Language Resources Association. Retrieved from <https://aclanthology.org/2022.lrec-1.246>
- 9 Caselli, T., Mutlu, O., Basile, A., & **Hürriyetoglu, A.** (2021). PROTEST-ER: Retraining BERT for Protest Event Extraction. In *Proceedings of the 4th Workshop on Challenges and Applications of Automated Extraction of Socio-political Events from Text (CASE 2021)*, online: Association for Computational Linguistics (ACL). Retrieved from <https://aclanthology.org/2021.case-1.4/>
- 10 Giorgi, S., Zavarella, V., Tanev, H., Stefanovitch, N., Hwang, S., Hettiarachchi, H., ... **Hürriyetoglu, A.** (2021). Discovering Black Lives Matter Events in the United States: Shared Task 3, CASE 2021. In *Proceedings of the 4th Workshop on Challenges and Applications of Automated Extraction of Socio-political Events from Text (CASE 2021)* (pp. 218–227). [doi:10.18653/v1/2021.case-1.27](https://doi.org/10.18653/v1/2021.case-1.27)
- 11 **Hürriyetoglu, A.**, Mutlu, O., Yörük, E., Liza, F. F., Kumar, R., & Ratan, S. (2021). Multilingual Protest News Detection - Shared Task 1, CASE 2021. In *Proceedings of the 4th Workshop on Challenges and Applications of Automated Extraction of Socio-political Events from Text (CASE 2021)* (pp. 79–91). [doi:10.18653/v1/2021.case-1.11](https://doi.org/10.18653/v1/2021.case-1.11)
- 12 **Hürriyetoglu, A.**, Tanev, H., Zavarella, V., Piskorski, J., Yeniterzi, R., Yörük, E., ... Villavicencio, A. (2021). Challenges and Applications of Automated Extraction of Socio-political Events from Text (CASE 2021): Workshop and Shared Task Report. In *Proceedings of the 4th Workshop on Challenges and Applications of Automated Extraction of Socio-political Events from Text (CASE 2021)*, online: Association for Computational Linguistics (ACL). Retrieved from <https://aclanthology.org/2021.case-1.1/>
- 13 **Hürriyetoglu, A.**, Safaya, A., Mutlu, O., Oostdijk, N., & Yörük, E. (2020). COVCOR20 at WNUT-2020 Task 2: An Attempt to Combine Deep Learning and Expert Rules. In *Proceedings of the Sixth Workshop on Noisy User-generated Text (W-NUT 2020)* (pp. 495–498). [doi:10.18653/v1/2020.wnut-1.75](https://doi.org/10.18653/v1/2020.wnut-1.75)
- 14 Büyüköz, B., **Hürriyetoglu, A.**, & Özgür, A. (2020). Analyzing ELMo and DistilBERT on Socio-political News Classification. In *Proceedings of the workshop on automated extraction of socio-political events from news 2020* (pp. 9–18). Marseille, France: European Language Resources Association (ELRA). Retrieved from <https://www.aclweb.org/anthology/2020.aespen-1.4>
- 15 **Hürriyetoglu, A.**, Zavarella, V., Tanev, H., Yörük, E., Safaya, A., & Mutlu, O. (2020). Automated Extraction of Socio-political Events from News (AESPEN): Workshop and Shared Task Report. In *Proceedings of the Workshop on Automated Extraction of Socio-political Events from News 2020* (pp. 1–6). Marseille, France: European Language Resources Association (ELRA). Retrieved from <https://www.aclweb.org/anthology/2020.aespen-1.1>

- 16 **Hürriyetoğlu, A.**, Yörük, E., Yüret, D., Mutlu, O., Yoltar, Ç., Duruşan, F., & Gürel, B. (2020). Cross-context News Corpus for Protest Events related Knowledge-Base Construction. In *Automated knowledge base construction*. doi:10.24432/C5D59R
- 17 **Hürriyetoğlu, A.**, Yörük, E., Yüret, D., Yoltar, Ç., Gürel, B., Duruşan, F., & Mutlu, O. (2019). A Task Set Proposal for Automatic Protest Information Collection Across Multiple Countries. In L. Azzopardi, B. Stein, N. Fuhr, P. Mayr, C. Hauff, & D. Hiemstra (Eds.), *Advances in Information Retrieval - 41st European Conference on IR Research, ECIR 2019, Cologne, Germany, April 14-18, 2019, Proceedings, Part II* (Vol. 11438, pp. 316–323). doi:10.1007/978-3-030-15719-7\_42
- 18 **Hürriyetoğlu, A.**, Yörük, E., Yüret, D., Yoltar, Ç., Gürel, B., Duruşan, F., ... Akdemir, A. (2019). Overview of CLEF 2019 Lab ProtestNews: Extracting Protests from News in a Cross-Context Setting. In F. Crestani, M. Braschler, J. Savoy, A. Rauber, H. Müller, D. E. Losada, ... N. Ferro (Eds.), *Experimental IR Meets Multilinguality, Multimodality, and Interaction* (pp. 425–432). doi:10.1007/978-3-030-28577-7\_32
- 19 Abalı, G., Karaarslan, E., **Hürriyetoğlu, A.**, & Dalkılıç, F. (2018). Detecting Citizen Problems and Their Locations Using Twitter Data. In *2018 6th International Istanbul Smart Grids and Cities Congress and Fair (ICSG)* (pp. 30–33). IEEE. doi:10.1109/SGCF.2018.8408936
- 20 Akdemir, A., **Hürriyetoğlu, A.**, Yörük, E., Gürel, B., Yoltar, Ç., & Yüret, D. (2018). Towards Generalizable Place Name Recognition Systems: Analysis and Enhancement of NER Systems on English News from India. In R. S. Purves & C. B. Jones (Eds.), *Proceedings of the 12th Workshop on Geographic Information Retrieval, GIR@SIGSPATIAL 2018, Seattle, WA, USA, November 6, 2018* (8:1–8:10). doi:10.1145/3281354.3281363
- 21 **Hürriyetoğlu, A.**, & Oostdijk, N. (2017). Extracting Humanitarian Information from Tweets. In S. Ghosh, K. Ghosh, T. Chakraborty, D. Ganguly, G. J. F. Jones, & M.-F. Moens (Eds.), *Proceedings of the First International Workshop on Exploitation of Social Media for Emergency Relief and Preparedness co-located with European Conference on Information Retrieval, SMERP@ECIR 2017, Aberdeen, UK, April 9, 2017* (Vol. 1832, pp. 73–84). CEUR-WS.org. Retrieved from <http://ceur-ws.org/Vol-1832/SMERP-2017-DC-RU-Retrieval.pdf>
- 22 **Hürriyetoğlu, A.**, Oostdijk, N., Erkan Başar, M., & van den Bosch, A. (2017). Supporting Experts to Handle Tweet Collections about Significant Events. In F. Frasincar, A. Ittoo, L. M. Nguyen, & E. Métais (Eds.), *Natural Language Processing and Information Systems: 22nd International Conference on Applications of Natural Language to Information Systems, NLDB 2017, Liège, Belgium, June 21-23, 2017, Proceedings* (pp. 138–141). doi:10.1007/978-3-319-59569-6\_14
- 23 Oostdijk, N., & **Hürriyetoğlu, A.** (2017). Detecting the Need for Resources and their Availability. In P. Majumder, M. Mitra, P. Mehta, & J. Sankhavara (Eds.), *Working notes of FIRE 2017 - Forum for Information Retrieval Evaluation, Bangalore, India, December 8-10, 2017* (Vol. 2036, pp. 34–37). CEUR-WS.org. Retrieved from <http://ceur-ws.org/Vol-2036/T2-2.pdf>
- 24 Oostdijk, N., **Hürriyetoğlu, A.**, Puts, M., Daas, P., & van den Bosch, A. (2016). Information Extraction from Social Media : A Linguistically Motivated Approach. In *Actes de la conférence conjointe jep-taln-recital 2016. volume 10 : Risquetal* (pp. 23–33). Extraction d'information des réseaux sociaux : une approche motivée linguistiquement. Paris, France: Association pour le Traitement Automatique des Langues. Retrieved from <http://talnarchives.atala.org/ateliers/2016/RisqueTAL/3.pdf>
- 25 **Hürriyetoğlu, A.**, Gudehus, C., Oostdijk, N., & van den Bosch, A. (2016). Relevancer: Finding and Labeling Relevant Information in Tweet Collections. In E. S. Spiro & Y.-Y. Ahn (Eds.), *Social Informatics - 8th International Conference, SocInfo 2016, Bellevue, WA, USA, November 11-14, 2016, Proceedings, Part II* (Vol. 10047, pp. 210–224). doi:10.1007/978-3-319-47874-6\_15
- 26 **Hürriyetoğlu, A.**, van den Bosch, A., & Oostdijk, N. (2016). Using Relevancer to Detect Relevant Tweets: The Nepal Earthquake Case. In P. Majumder, M. Mitra, P. Mehta, J. Sankhavara, & K. Ghosh (Eds.),

*Working notes of FIRE 2016 - forum for information retrieval evaluation, kolkata, india, december 7-10, 2016* (Vol. 1737, pp. 76–78). CEUR-WS.org. Retrieved from <http://ceur-ws.org/Vol-1737/T2-6.pdf>


- 27 **Hürriyetoğlu, A.**, Wagemaker, J., Oostdijk, N., & van den Bosch, A. (2016). Analysing the Role of Key Term Inflections in Knowledge Discovery on Twitter. In G. Armano, A. Bozzon, M. Cristani, & A. Giuliani (Eds.), *Proceedings of the 2nd International Workshop on Knowledge Discovery on the WEB, KDWeb 2016, Cagliari, Italy, September 8-10, 2016* (Vol. 1748), CEUR-WS.org. Retrieved from <http://ceur-ws.org/Vol-1748/paper-18.pdf>
- 28 **Hürriyetoğlu, A.**, Oostdijk, N., & van den Bosch, A. (2014). Estimating Time to Event from Tweets Using Temporal Expressions. In *Proceedings of the 5th Workshop on Language Analysis for Social Media (LASM)* (pp. 8–16). Gothenburg, Sweden: Association for Computational Linguistics. Retrieved from <http://www.aclweb.org/anthology/W14-1302>
- 29 Zavarella, V., Küçük, D., Tanev, H., & **Hürriyetoğlu, A.** (2014). Event Extraction for Balkan Languages. In G. Bouma & Y. Parmentier (Eds.), *Proceedings of the 14th Conference of the European Chapter of the Association for Computational Linguistics, EACL 2014, April 26-30, 2014, Gothenburg, Sweden* (pp. 65–68). [doi:10.3115/v1/e14-2017](https://doi.org/10.3115/v1/e14-2017)
- 30 **Hürriyetoğlu, A.**, Kunneman, F., & van den Bosch, A. (2013). Estimating the Time between Twitter Messages and Future Events. In C. Eickhoff & A. P. de Vries (Eds.), *Proceedings of the 13th Dutch-Belgian Workshop on Information Retrieval, Delft, The Netherlands, April 26th, 2013* (Vol. 986, pp. 20–23). CEUR-WS.org. Retrieved from [http://ceur-ws.org/Vol-986/paper\\_23.pdf](http://ceur-ws.org/Vol-986/paper_23.pdf)

## Preprints

- 1 Duruşan, F., **Hürriyetoğlu, A.**, Yörük, E., Mutlu, O., Yoltar, Ç., Gürel, B., & Comin, A. (2022). Global Contentious Politics Database (GLOCON) Annotation Manuals. [doi:10.48550/ARXIV.2206.10299](https://doi.org/10.48550/ARXIV.2206.10299)
- 2 **Hürriyetoğlu, A.**, Mutlu, O., Beyhan, F., Duruşan, F., Safaya, A., Yeniterzi, R., & Yörük, E. (2022). Event Coreference Resolution for Contentious Politics Events. [doi:10.48550/ARXIV.2203.10123](https://doi.org/10.48550/ARXIV.2203.10123)

## Research Projects

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Leader  **COMMIT Valorisation Grant: Extending Relevancer for Detailed Analysis of Tweet Sets** €55,000, the Netherlands, 2016.
















## Research Projects (continued)



- Collaborator
- ✓ *European Research Council Proof of Concept Grant*: “POLITUS: AI-based Data Platform for Fair Social Policies” with Prof. Erdem Yörük, Koc University, ~€150,000, Turkey, 2022-2023.
  - ✓ *European Commission Twinning Action*: “Building the Future: Excelling in Computational and Quantitative Social Sciences in Turkey” with Prof. Erdem Yörük, Koc University, ~€1,000,000, Turkey, 2020-2023.
  - ✓ *TUBITAK - 2247-B European Research Council (ERC) Support Program*: “Mobilizing Dissidence: International Political Environment and Domestic Contention” with Prof. Belgin San Akca, Koc University, ~€50,000, Turkey, 2021.
  - ✓ *Koç University Seed Research Program*: “Tracking Chinese Investment in Turkey under the Belt and Road Initiative Framework via Computational Social Science Methods (China-Turkey-BRI)” with Prof. Burak Gürel, Koc University, ~€5,000, Turkey, 2021.
  - ✓ *World Bank Global Facility for Disaster Reduction and Recovery (GFDRR)*: “Identification and Visualisation of Flood Risk on the Basis of Twitter, for the National Society of the Red Cross in the Philippines” with Floodtags, Deltares, VU University Amsterdam, Radboud University, and Red Cross Red Crescent Climate Centre, €100,000, the Netherlands, 2016.
  - ✓ *VIAWater*: “Mapping and Monitoring Critical Developments in the Delta: Using data from online (social) media in combination with remote sensing” with Floodtags, Satelligence, Akvo, and Radboud University, €180,000, the Netherlands, 2017.
  - ✓ *Muğla Sıtkı Koçman University, Research Project Grant (BAP)*: “Collection, Analysis, and Visualisation of the Twitter Messages Posted from Muğla Region”, with Prof. Enis Karaarslan, ~€10,000, 2017.
  - ✓ *European Space Agency (ESA) Tender*: “Migration Radar 2.0: Big Data Applications to Boost Preparedness and Response to Migration – Feasibility Study”, with CGI Inc. and Statistics Netherlands (CBS), €150,000, the Netherlands, 2017.
- Expert
- ✓ *European Commission - Curation of Digital Assets and Advanced Digitisation*: “ODEUROPA: Negotiating Olfactory and Sensory Experiences in Cultural Heritage Practice and Research”, Koc University, Turkey, 2020.
  - ✓ *European Research Council - Starting Grant (ERC StG)*: “Emerging Welfare”, Koc University, Turkey, 2017.
  - ✓ *TUBITAK ARDEB 1001- Scientific and Technological Research Projects Funding Program (COVID-19 and Society: Social, Human and Economic Effects of the Outbreak, Problems and Solutions)*: “The Effect of Newspaper Reading and Social Media Usage on Individuals’ Tendency to Behavior to Protect Against Covid-19”, Koc University, Turkey, 2020.
  - ✓ *National Institute for Public Health and the Environment (RIVM) Social Media Monitoring for COVID-19 project*, the Netherlands, 2020.
  - ✓ *National Institute for Public Health and the Environment (RIVM), Monitoring Online Sentiment on National Vaccination Programs against Infectious Diseases*, the Netherlands, 2016.
- Volunteer
- ✓ “Trust and Credibility on Social Media project” with Prof. Roel Wieringa, 2020.
  - ✓ Various Data Science for Good projects, with Datakind, 2015–2018.

## Academic Activities







Organizer   MUSTI - Multimodal Understanding of Smells in Texts and Images @ The MediaEval Multimedia Evaluation Benchmark (MediaEval), 2022 (distinctive mention) - 2023.  Challenges and Applications of Automated Extraction of Socio-political Events from Text (CASE), 2021 @ ACL-IJCNLP, 2022 @ EMNLP, 2023 @ RANLP.  The Session "Platforms, Inclusion and Black Boxes" @ 6th Turkish-German Frontiers of Social Science Symposium (TUGFOSS 2020, 2021).  Automated Extraction of Socio-political Events from News (AESPEN 2020) @ Language Resources and Evaluation Conference (LREC 2020).  Workshop on Challenges and Opportunities in Automated Coding of Contentious Political Events (Cope 2019) @ European Symposium Series on Societal Challenges in Computational Social Science (Euro CSS 2019).  Extracting Protests from News (ProtestNews 2019) @ Conference and Labs of the Evaluation Forum (CLEF 2019).

Invited talks   "Exploring Standardization and Improvement Possibilities for Socio-political Event Information Collection", Peace Science Infrastructure (PSI) Workshop, Oslo, 2023.  "Intermediate Tutorial on Natural Language Processing with Python", Summer Institute in Computational Social Science - Istanbul (SICSS), 2023.  "Recent developments in the utilization and protection of text data collected from the web", the Workshop on Documenting Web Data for Social Research, DocuWeb22 @ WebSci'22, Barcelona.  "A personal account for algorithms, machines, social sciences", MCAA Around the World Webinar Series 8 - Bridging STEM and Humanities/Social Sciences Disciplines (online). URL: <https://www.youtube.com/watch?v=20etkbBaU0c&t=31s,5:00-28:00>.  "GLOCON - Building a Global Event Dataset Using Written News Sources", Workshop on Complex Systems and Data Science (KaVE IV), 2022, Istanbul.  "Qualitative Data Analysis and Visualization in the Scope of Migration", Summer School on Research Methods and Ethics in Migration Studies, 2021, İstanbul.  "The State-of-the-art and Future Directions in Automated Protest Extraction", Protest Data Automation Workshop, 2021, Bremen.  "Challenging the Standards for Socio-political Event Information Collection", KUIS AI, 2021, İstanbul.  "Social Sciences, Machine Learning, Natural Language Processing", Science Ambassadors Summit, 2021, İstanbul. URL: [https://www.youtube.com/watch?v=m7\\_C4teJEWc,06:19-07:25](https://www.youtube.com/watch?v=m7_C4teJEWc,06:19-07:25).  "Social Sciences and Software: Qualitative Data Analysis and Visualization", Koc University Vehbi Koc Ankara Research Center (VEKAM), 2021, Ankara. URL: <https://www.youtube.com/watch?v=M6UzUai5iog>.  "Using AI for Multi-Country Automated Protest Event Collection", The Center for Research on Globalization, Peace, and Democratic Governance, GLODEM AI & CSS Series, 2020, İstanbul.  "Relevancer: Finding and Labeling Relevant Information in Tweet Collections", Strata 2017, London.

## Academic Activities (continued)




- Reviewer  ✓ IEEE Conference on Signal Processing and Communications Applications (SIU), 2023 ✓ Semantic Methods for Events and Stories (SEMMES), 2023 ✓ International ACM SIGIR Conference on Research and Development in Information Retrieval (SIGIR), 2023 ✓ International AAAI Conference on Web and Social Media (ICWSM), 2023 ✓ International Joint Conference on Artificial Intelligence (IJCAI), 2023 ✓ Journal of Intelligent Systems: Theory and Applications, 2023 ✓ Transactions on Asian and Low-Resource Language Information Processing, 2022 ✓ Annual Conference of the North American Chapter of the Association for Computational Linguistics (NAACL), 2022. ✓ The European Semantic Web Conference (ESWC), 2022-2023. ✓ Workshop on Perspectivist Approaches to NLP, NLPerspectives, 2022-2023. ✓ ACL Rolling Review, 2022-2023. ✓ Information Retrieval Journal, 2021. ✓ Neurocomputing, 2021. ✓ Journal of Open Source Software (JOSS), 2021. ✓ Turkish Journal of Electrical Engineering & Computer Sciences (Turk J Elec Eng & Comp Sci), 2021 ✓ SN Business & Economics, 2021, 2022) ✓ International Conference on Distributed Computing and Artificial Intelligence (DCAI), 2021, 2022 ✓ ML Reproducibility Challenge, 2020, 2022, 2023. ✓ Annual Meeting of the Association for Computational Linguistics (ACL), 2019, 2020, 2021, 2022. ✓ Conference on Empirical Methods in Natural Language Processing and 9th International Joint Conference on Natural Language Processing (EMNLP), 2019, 2020, 2021, 2022. ✓ Association for the Advancement of Artificial Intelligence Conference (AAAI), 2020, 2022. ✓ European Conference on Information Retrieval (ECIR), 2020, 2021. ✓ Language Resources and Evaluation Conference (LREC), 2020, 2022. ✓ Online Social Networks and Media (OSNEM) - Journal, 2020. ✓ Journal of Peace Research (JPR), 2020.
- Memberships  ✓ EU COST Action: Universality, diversity and idiosyncrasy in language technology, 2022–2026. ✓ Association for Computational Linguistics (ACL), 2014, 2019–2022. ✓ Association for Computing Machinery (ACM), 2019, 2023.

## Skills


- Languages  Turkish (Native), Arabic (Native), English (C2), Dutch (A2), German (A2), Italian (A1)
- Coding  Python, Java, C#, SQL, Scala, R, C, C++, Lisp, Prolog
- Data Management  MySQL, PostgreSQL, NoSQL, Spark, Hadoop
- Web Dev  HTML, CSS, Flask, Django
- Other  Git, Microsoft Office, Libre Office, macOS, Linux, Microsoft Windows
- Misc.  Academic research, teaching, training, project management, consultation

## Miscellaneous

### Competitions & Awards

- 2021  TÜBİTAK EC H2020 **Threshold award**, AI and Big Data for Migration Research Infrastructure.
- 2019  **3rd place**, Data Science Society, Hack the News Datathon.
- 2017  **1st place**, The shared task Information Retrieval from Microblogs during Disasters (IRMiDis).

### Certification

- 2015  **The Lean Scientist**. Awarded by Utrecht University.
-  **Holland Ambassador**. Awarded by Nuffic.

## References

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