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RESEARCH INTERESTS	My research focuses on establishing strategies for <b>analyzing online behaviors</b> in order to increase well-being and address public issues using internet data. <b>Diffusion of dis- and misinformation on social media</b> , uncovering <b>behavioral embeddings of communities</b> , <b>science of science</b> and <b>polarization</b> are among my subjects of interest.	
ACADEMIC PROJECTS	<p><b>Academic Support Networks</b></p> <p>I investigate the thesis journey of PhD. students by extracting information from 27 thousand theses collected from pqtopen.com (which is manually scraped from the website by a webscraping algorithm coded by me). The paper aims to inspect who is acknowledged, who is not, and how are they acknowledged using state of the art natural language processing tools that allow making large-scale research. I examine how the support providing entities are connected to each other by running network analysis and study gender based and disciplinary differences.</p> <p><b>Covid-19 Vaccine Perception in Turkey</b></p> <p>In <b>SICSS 2021</b>, we started studying the impressions of people tweeting in Turkish about Covid-19 vaccines and currently collaborating with <b>teyit.org</b> - a signer of <b>IFCN</b>. Our research covers:</p> <ul style="list-style-type: none"> <li>- Sentiment towards different vaccines and usage of nomenclatures</li> <li>- Vaccines coverage of media channels</li> <li>- Bot activity</li> <li>- Arguments &amp; social network of anti-vaccine actors</li> </ul>	
EDUCATION	<p><b>Indiana University Bloomington</b>, Indiana 2022–2026 (expected)</p> <ul style="list-style-type: none"> <li>• PhD. in Informatics - Complex Systems and Networks Track</li> <li>• Advisor: Prof. Dr. Filippo Menczer.</li> </ul> <p><b>Sabanci University</b>, Istanbul 2020–2022</p> <ul style="list-style-type: none"> <li>• MSc. in Data Science, GPA: <b>3.94/4</b> – via 65/149 credits.</li> <li>• Advisor: Dr. Onur Varol.</li> </ul> <p><b>Galatasaray University</b>, Istanbul. 2014–2019</p> <ul style="list-style-type: none"> <li>• B.Sc. in Economics GPA: <b>3.49/4</b></li> <li>• Thesis: <i>Les Systèmes de Recommandation: Comment-Influencent-Ils les Choix des Consommateurs?</i></li> </ul> <p><b>Université Paris 1: Panthéon Sorbonne</b>, Paris. - Double Diplome Program 2015–2018</p> <ul style="list-style-type: none"> <li>• B.Sc. in Economics GPA: <b>3.49/4</b></li> </ul> <p><b>Université de Montpellier</b>, Montpellier - Erasmus Program 2017–2018</p> <ul style="list-style-type: none"> <li>• B.Sc. in Economics</li> </ul>	
TECHNICAL & LANGUAGE SKILLS	<p><i>Programming Language:</i> Python, SQL, SAS, R</p> <p><i>Technical Software:</i> Adobe Illustrator, Gephi</p> <p><i>Foreign Language:</i> English (IELTS 7.5), French (Dalf C1), Spanish (Beginner)</p> <p><i>Licenses and Certificates:</i> GRE Quantitative: 167</p>	
TEACHING EXPERIENCE	<p><b>CS210: Introduction to Data Science</b> 2021 Fall Sabanci University - Faculty of Engineering and Social Sciences</p> <p><b>CS412: Machine Learning</b> 2020 Fall &amp; 2021 Summer Sabanci University - Faculty of Engineering and Social Sciences</p> <p><b>CS404: Artificial Intelligence</b> 2021 Spring Sabanci University - Faculty of Engineering and Social Sciences</p>	

WORK EXPERIENCE	<b>İş Bankası</b> – Credit Analytics Assistant Specialist	2019 Aug. – 2020 Sep.
	Modelling and automatizing the commercial credit processes; determining default criterias under IFRS9; building machine learning models for credit monitoring	
	<b>Borusan Logistics</b> – Strategic Marketing Intern	2018 July – 2019 Jan.
	Customer Relationship Management Project with Ernst&Young; Following the competitors' moves such as their new campaigns, strategic developments and R&D processes that allows us to see the place of BL in competition.	
	<b>Deniz Invest</b> – Equity Research Intern	2017 July – 2017 Sep.
	Bloomberg Application; Foreign capital and event horizon documents, tracking BIST100	
RELATED COURSEWORK	<p><b>CS58002 - Network Science (A)</b> – Complex systems represented by technological, biological and cultural data are studied with the knowledge created by network science. In this course, basic concepts of network science will be learned, network data will be analyzed using mathematical tools, and thinking structure are acquired using network concepts. Topics such as network models, communities, and dynamic systems on the network are also covered.</p> <p><b>CS515 - Deep Learning (A)</b> – This course covers the theory and fundamentals of Artificial Neural Networks (ANN), single and multilayer perceptron, Hopfield and Kohonen networks and deep learning architectures (convolutional neural networks, autoencoders, constrained Boltzman machines, recurrent networks, LSTMs, and generative adversarial networks). Students are expected to develop systems for exemplary machine learning problems in computer vision and natural language understanding.</p> <p><b>CS546 - Deep Natural Language Processing (A)</b> – This course examines the theory, design and implementation of natural language processing systems using artificial neural networks. Topics include word embeddings, neural network language models, the use of CNN and RNNs in text processing, seq2seq modeling, attention mechanisms, Transformer models, recursive neural networks, transfer learning for NLP.</p> <p><b>CS512 - Machine Learning (A)</b> – This course, which is an introductory course on machine learning, covers the fundamentals and topics such as decision trees, k-NN, linear regression, logistic regression, Bayesian classifiers, artificial neural networks, SVM, bias/variance, and classifier combinations from machine learning methods.</p> <p><b>CS528 - Big Data Processing (A)</b> – This course provides a deep understanding of the big data storage, big data processing problems that arise with the growth of data. This course provides the ability to do data analysis and machine learning using open source technologies on big data environments.</p> <p><b>IE58005 - Advanced Statistics with R (A-)</b> – This course aims to cover important topics in statistics at a mathematical level. Topics to be covered include sample distributions and asymptotic results, point and range estimations, hypothesis testing, ANOVA, and regression analysis. Its applications in R will also be seen while the topics are being processed.</p>	