

Özgür Can Seçkin

CONTACT INFORMATION

Nato Yolu Cad. Ekşioglu Çamlıca Sit.
No:59, B Blok, Daire 4,
Üsküdar/İstanbul, Turkey
Tel: (+90) 531 584 72 91

Homepage: ozgurcanseckin.com/
Linkedin: [linkedin.com/in/ozgur-can-seckin](https://www.linkedin.com/in/ozgur-can-seckin)
✉ : seckinozgurcan@sabanciuniv.edu

RESEARCH INTERESTS

My research focuses on establishing strategies for **analyzing online behaviors** in order to increase well-being and address public issues using internet data. **Diffusion of dis- and misinformation on social media**, uncovering **behavioral embeddings of communities**, **science of science** and **polarization** are among my subjects of interest.

ACADEMIC PROJECTS

Academic Support Networks

I investigate the thesis journey of PhD. students by extracting information from 27 thousand theses collected from pqdtopen.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.

Covid-19 Vaccine Perception in Turkey

In **SICSS** 2021, we started studying the impressions of people tweeting in Turkish about Covid-19 vaccines and currently collaborating with teyit.org - a signer of **IFCN**. Our research covers:

- Sentiment towards different vaccines and usage of nomenclatures
- Vaccines coverage of media channels
- Bot activity
- Arguments & social network of anti-vaccine actors

Political Stance Detection

In this paper, I present a model that takes into account both textual and non-textual characteristics of social media users by utilizing graph convolutional neural networks along with a pre-trained Transformers model. I'll use the suggested model to discover political traits of vulnerable groups on social media who are susceptible to misleading information. My goal is to assist policymakers in developing systematic techniques to reaching different stratifications of general public.

EDUCATION

Sabanci University, Istanbul

2020–2022 (expected)

- MSc. in **Data Science**, GPA: **3.94/4** – via 65/149 credits.
- Advisor: Dr. Onur Varol.

Galatasaray University, Istanbul.

2014–2019

- B.Sc. in **Economics** GPA: **3.49/4**
- Thesis: *Les Systèmes de Recommandation: Comment-Influencent-Ils les Choix des Consommateurs?*

Université Paris 1: Panthéon Sorbonne, Paris. - Double Diplome Program

2015–2018

- B.Sc. in **Economics** GPA: **3.49/4**

Université de Montpellier, Montpellier - Erasmus Program

2017–2018

- B.Sc. in **Economics**

TECHNICAL & LANGUAGE SKILLS

Programming Language: Python, SQL, SAS, R

Technical Software: Adobe Illustrator, Gephi

Foreign Language: English (IELTS 7.5), French (Dalf C1), Spanish (Beginner)

Licenses and Certificates: GRE Quantitative: 167

TEACHING EXPERIENCE	CS210: Introduction to Data Science	2021 Fall
	Sabancı University - Faculty of Engineering and Social Sciences	
	CS412: Machine Learning	2020 Fall & 2021 Summer
	Sabancı University - Faculty of Engineering and Social Sciences	
	CS404: Artificial Intelligence	2021 Spring
	Sabancı University - Faculty of Engineering and Social Sciences	
WORK EXPERIENCE	İş Bankası – 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	
	Borusan Logistics – 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.	
	Deniz Invest – Equity Research Intern	2017 July – 2017 Sep.
	Bloomberg Application; Foreign capital and event horizon documents, tracking BIST100	
RELATED COURSEWORK	<p>CS58002 - Network Science – 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>CS515 - Deep Learning – 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>CS546 - Deep Natural Language Processing – 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>CS512 - Machine Learning – 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>CS528 - Big Data Processing – 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>IE58005 - Advanced Statistics with R – 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>	