Alperen Karan

Curriculum Vitae

✆ *+90 (505) 702 2281*
✉ *alperenkaran@gmail.com*
✎ *alperenkaran.github.io*

Research Interests

- Machine learning, Deep learning
- Topological data analysis, Persistent homology
- Cognitive psychology, Music cognition

Computer skills

- Python (*fluent*) - hands-on experience in several machine/deep learning libraries
- PyCharm, DataGrip, MATLAB, SPSS
- (Postgre)SQL, LaTeX, Git
- Tableau
- AWS (Redshift, S3, Step Functions)

Education

Expected 03.2022	**PhD**, *Mathematical Engineering*, Istanbul Technical University, Turkey.
2019	**M.A.**, *Psychology*, Boğaziçi University, Turkey.
2015	**M.S.**, *Mathematics*, Boğaziçi University, Turkey.
2013	**B.S.**, *Mathematics*, Boğaziçi University, Turkey.

Work Experience

09.2021 - Present	Data Scientist, *Getir*, Turkey.
12.2013 - 09.2021	Research assistant, *Istanbul Technical University*, Turkey.

Publications

1. Karan, A., & Kaygun, A. (2021). Time Series Classification via Topological Data Analysis. *Expert Systems with Applications,115326.*
2. Karan, A., & Mungan, E. (2018). In Further Search of Tonal Grounds in Short Term Memory of Melodies. In R. Parncutt & A. Schiavio (Ed.), *Proceedings of the Fifteenth International Conference on Music Perception and Cognition* (p. 237-243), Karl-Franzens Universitaet Graz.
3. Gillam, W. D., & Karan, A. (2017). The Hausdorff topology as a moduli space. *Topology and its Applications, 232*, 102-111.

Languages

- Turkish (*native*)
- English (*fluent*)
- French (*beginner*)