**M. Yarkin Ergin**

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**SUMMARY**

**I am a scientist with six years of research experience specializing in the cognitive psychology of human sentence processing and psycholinguistics. I am experienced with various experimental research designs and statistical/quantitative techniques to analyze such data. My time in academia equipped me with excellent writing, presentation, communication, research, and collaboration skills, and the ability to perform under pressure in both solo and team-based projects. I am currently looking for industry positions related to research and development (R&D) and data science.**

**EXPERIENCE**

**Freelance**: Remote Oct 2022 – Mar 2023

*Statistical Consultant*

* Collected, analyzed, and created a report on the philosophy department’s diversity committee survey data
* Processed, analyzed, and visualized vowel formants for English and Arabic speakers for a study of L1 influence on L2 phonetic-learning

**Rutgers University**: New Brunswick, New Jersey Jul 2018 – Mar 2023

*Instructor*

* Taught an introductory level course on quantitative methods for analyzing experimental data, and an introductory level course on cognitive science exploring the fundamentals of computer science, philosophy, linguistics, psychology, and neuroscience
* Trained 700+ students on using appropriate statistical tools and writing up results as a report

**Koc University**: Istanbul, Turkey Jul 2016 – Jan 2017

*Research Assistant for Human-Computer Interaction*

* Designed and conducted experiments on user-preference when interacting with wearable computing devices
* Analyzed data, created visualizations, and published results in top-level conferences and proceedings

**SELECTED PROJECTS**

**Research**  Aug 2017 – present

* Personally conducted 7+ experiments, experience in testing 100+ participants in-person
* Managed a team of undergraduate students to delegate responsibilities and help them further their own academic accomplishments
* Processed, analyzed, and presented the findings in over 10 domestic and international conferences

**Erdös Institute Cöding Bootcamp**  May 2020 – Jun 2020

* Gathered weather temperature data across United States using SQL and web-scrapers
* Investigated the relationship between COVID-19 related lockdowns in spring of 2020 and deviation from cyclical temperature changes using time-series analyses

**SKILLS**

* **Software Languages & Platforms:** R, Python, SQL, JASP, SPSS, FindingFive, Rstudio, Praat, Jupyter, Rmarkdown, git, Adobe Acrobat, MS Office, Slack
* **R & Python Libraries:** tidyverse, dplyr, ggplot2, lme4, numpy, pandas
* **Quantitative:** generalized linear models, mixed-effects models, polynomial regression, logistic regression, Bayesian model comparison, data visualization
* **Languages:** English, Turkish, some French

**SELECTED PUBLICATIONS**

**Ergin, M.Y.**, Stromswold, K. (2023) Relative Informativity of Word Order, Thematic Reversibility and Case-marking: Evidence from Spoken Turkish. *Poster presented at annual conference on Human Sentence Processing (HSP)*. Pittsburgh, PA, USA

**Ergin, M.Y.**, Stromswold, K. (2022) Effects of Case-Marking and Word Order on Sentence Processing in Turkish. *Conference talk presented at Crosslinguistic Perspectives on Processing and Learning (X-PPL)*. Zürich, SW

Havlucu, H., **Ergin, M.Y.**, Bostan, İ., Buruk, O.T., Göksun, T., Özcan, O. (2017) It Made More Sense: Comparison of User-Elicited On-skin Touch and Freehand Gesture Sets. In  *Distributed, Ambient and Pervasive Interactions (DAPI), held as part of Human-Computer Interaction 2017, Proceedings 5, Vancouver, BC, CA*.(pp. 159-171).Springer International Publishing.

**EDUCATION**

**Rutgers University,** *Ph.D.* May 2020 – Oct 2023

* Cognitive Psychology with a focus on Psycholinguistics

**Rutgers University,** *M.Sc.* Aug 2017 – May 2020

* Cognitive Psychology with a focus on Cognitive Science

**Bogazici University,** *B.A.* Sep 2012 – June 2017

* Psychology with a minor in Linguistics