

Louis Teitelbaum



Professional Experience

Since 2023

- **Data Analyst**
Autodesk | Internship
Wrote complex SQL queries in Snowflake. Analyzed user behavior using R and ggplot2. Prepared presentations for Data Science and Data Analytics teams. Collaborated with UX Research team to develop evidence-based coding for data.

Since 2021

- **R Developer**
 - Developer of [wormsplot](#) for visualizing the movements of historical figures; Read the [blog post](#).
 - Contributor to the [Quanteda](#) package for Natural Language Processing.

Since 2020

- **Neurocognitive Psychology Researcher**

Working Memory and Predictive Processing: - Thesis work under supervision of Prof. Yoav Kessler, Ben Gurion University

Language and Communication: - Thesis work under supervision of Prof. Bruno Galantucci, Yeshiva University Psychology Department - Developed novel Natural Language Processing (NLP) based metrics for diadic conversations using Python and R. - Wrote peer reviews - Designed research agenda and experimental paradigm for the continuation of research post-COVID-19

Power Dynamics in Long-Term Romantic Relationships: - Research Assistant for Dr. Jenny Isaacs, Yeshiva University Psychology Department - Researched and designed survey for data collection. - Analyzed data in SPSS and R; finalized analysis for publication. - Logged over 200 hours as a primary contributor to project.

Education

2022
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Present

- **M.A. in Experimental Cognitive Psychology**
Ben-Gurion University 📍 Be'er Sheva, Israel

Supervisor: Prof. Yoav Kessler

2018
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2021

- **B.A. in Psychology with Minor in Biology**
Yeshiva University Honors 📍 New York, NY

Graduated *Magna Cum Laude*

Activities and societies: Neuroscience Club President

Awards And Scholarships

Sep 2021

- **Chaplain Joseph Hoenig Memorial Award for Excellence in the Study of Psychology**
Yeshiva University Psychology Department 📍 New York, NY

Contact Info

✉ louist@post.bgu.ac.il
🌐 Home Page | 📲 Blog
🐙 GitHub | 💼 LinkedIn

Languages

English - native
Hebrew - fluent

Technical Skills

Programming: R, Python, SQL, Git(Hub), SPSS, Excel

Documentation: (R)Markdown/Quarto, JupyterLab, Google Colab, Google Docs/Sheets

Design: ggplot2, Gimp, Photoshop, Inkscape

Deployment: Shiny, Streamlit

Machine Learning: Bayesian inference, multi-level modeling, logistic and binomial regression, PCA, random forest, elastic-net regression, k-means clustering, t-SNE, word/document embeddings, sentiment analysis

Jan 2021

- **American Psychology-Law Society Grant for Undergraduate Research**
American Psychological Association Division 41: American Psychology-Law Society
For research in marital power dynamics in divorce mediation.

2021

- **Three funding awards from the Yeshiva University Honors Program**
Yeshiva University Honors Program 📍 New York, NY

Scientific Publications And Presentations

Books

- Simchon, A., & **Teitelbaum, L.** (2024). *Data Science for Psychology: Natural Language*. [Manuscript in preparation].

Papers

- **Teitelbaum, L.**, & Kessler, Y. (2024). *Perceptual Anticipation is Independent from Spatial Attention and Motor Preparation*. [Manuscript in preparation].

Theses

- **Teitelbaum, L.** (2021). *When faithful informational exchange is just not worth it: Reformulation ability as a predictor of other-initiated repair* [Honors thesis, Yeshiva University]. Yeshiva Academic Institutional Repository.

Poster Presentations

- **Teitelbaum, L.**, & Galantucci, B. (2021). When faithful informational exchanges are just too much work: Repair avoidance and reformulation cost. *Poster presented at the 2021 Association for Psychological Science (APS) Virtual Convention*.

- **Teitelbaum, L.**, Isaacs, J., & Pittinsky, N. (2021). Is power all bad? Marital power imbalances and effective role division. *Poster presented at the 2021 Association for Psychological Science (APS) Virtual Convention*.