PERSONAL INFORMATION

Zeynep Sengezer

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PERSONAL STATEMENT

A dedicated researcher with a Master's in Cognitive Neuroscience and strong expertise in quantitative research, advanced statistical analysis, and programming (R, Python, MATLAB). Skilled in handling large-scale datasets, data preprocessing, and statistical modeling, with experience in neuroimaging techniques, EEG, and behavioral experiments. Passionate about applying data science methodologies to health research, particularly in epidemiology and women's health. Looking forward to contributing analytical and programming skills to innovative projects in health data science.

EDUCATION

2022- 19 July 2024   **: Sapienza University of Rome**

Master in Cognitive Neuroscience

Grade: 3.70/4.00

February 2024- July 2024   **: Sapienza University of Rome**

Thesis period with Prof Matteo Candidi

Title: "Audio-Tactile Integration During Action Performance: Peripersonal Space and Sensorimotor Integration**"**

2020 – 2022   **: Middle East Technical University Northern Cyprus Campus**

-Minor in Information Systems

2018 – 2022   **: Middle East Technical University Northern Cyprus Campus**

-Major in Psychology (Scholarship: %50)

(CGPA: 3.43/4.00)

Master's Thesis

"Audio-Tactile Integration During Action Performance: Peripersonal Space and Sensorimotor Integration**"**

- Conducted research examining how auditory and tactile stimuli are integrated during action performance, focusing on the influence of peripersonal space on sensorimotor integration.

- Discussed the implications of findings for understanding multimodal integration in cognitive neuroscience and potential applications in practice.

TRAINING

January 2025- March 2025: Child Assessment Training-Turkish Psychological Association

- Psychological assessment processes for children and adolescents
- Psychometric test application, analysis, and reporting.
- **Cognitive Assessment:** AGTE (Ankara Developmental Screening Inventory), Bender Gestalt Test
- **Attention and Behavioral Assessment: Conners Rating Scales** (for ADHD and behavioral disorders)
- **Projective Tests:** Beier Sentence Completion Test, Draw-a-Person Test, Family Drawing Test
- **Family and Emotional Assessment:** Family Constellation Technique

RESEARCH EXPERIENCE

November 2024- Present: Remote Research Intern in Riflex Project (in collaboration with Munich)

Supervisor: Azzurra Ruggeri

- Supporting data processing and analysis for the Riflex project under the guidance of Azzurra Ruggeri.

- Attending weekly online lab meetings and working flexibly to contribute to research goals.

- Collaborating with Munich-based colleagues Paula Fischer and Daniil Serko on data analysis tasks.

September 2024- November 2024: Research Intern NP Istanbul Brain Hospital, Department of Psychiatry and Addiction Medicine

Supervisor: Dr. Onur Noyan

- Contributing to large-scale data analysis in health science, focusing on high-dimensional datasets.

- Implementing statistical models and visualization techniques for population health data.

- Conducted data cleaning, organization, and preprocessing for clinical studies on addiction medicine.

- Assisted in statistical analysis for psychiatric research, using R and SPSS.

November 2023- July 2024: Thesis period in Social and Cognitive Agliotilab Neuroscience

- Designed and executed EEG experiments, analyzing neural data with MATLAB and R.

- Applied data science techniques to assess attentional mechanisms and multisensory integration.
- Analyzed data with R and Matlab, employing advanced statistical modeling techniques to derive insights into attentional processing mechanisms.

March 2023- October 2023: Social and Cognitive Agliotilab Neuroscience

Internship
- Developed protocols to assess individual differences in attentional strategies, using TMS to modulate neural activity and observe resulting behavioral changes.

- Conducted and analyzed experiments utilizing Transcranial Magnetic Stimulation (TMS) to explore the

effects of brain stimulation on visual attention processes.

- Contributed to research on multisensory integration, utilizing TMS to investigate underlying neural mechanisms.

TECHNICAL SKILLS

- **Statistical Analysis:** Big Data Processing,Descriptive Statistics, Inferential Statistics, Regression Analysis, Factor Analysis.

- **Programming Languages   : C, C++, R, Matlab, Phyton**

- **Software Programs   : SPSS, Matlab, C, MS Word, MS Excel, MS PowerPoint, MySQL.**

- **EEG:** Data acquisition, preprocessing, analyses. Experience with EEG processing software(EEGlab).

- **Data Science Tools**: Pandas, NumPy, Scikit-Learn, Tidyverse .

- **Research Methods**: Data Cleaning, Large-Scale Data Analysis, Algorithm Development

- **Experimentation:** TMS administration and experimental design. Signal processing techniques for neural data analyses. Knowledgeable in conducting experiments and applying laboratory techniques.

PERSONAL SKILLS

First Language   **:** Turkish

Other Languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken Interaction	Spoken Production	
English	C2	C1	C1	C1	C1
French	A2	A2	A2	A2	A1
Italian	A2	A2	A2	A2	A1

SOFT SKILLS

- Active Listening, Effective communication, Teamwork and team building, Problem-solving, Analytical Thinking, Curiosity and eagerness to explore new approaches, Adaptability, Empathy, Respect for Diversity

WORK EXPERIENCE AND CERTIFICATES

- **2021   :** Certified Functional Medicine Coach, **Functional Medicine Academy (Fonksiyonel Tıp Akademisi)** Functional Medicine Coaching Training. Provided personalized coaching to clients focusing on holistic health approaches, integrating psychological and functional medicine principles.