Emilie Campos O'Banion

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CV compiled on 2022-07-01

EDUCATION

University of California, Los Angeles, Los Angeles, California, USA

Ph.D. in Biostatistics — Sep 2019 – present
- Advisor: Dr. Damla Şentürk

Master of Science (M.S.) in Biostatistics — Sep 2017 – Jun 2019
- Thesis title: Principle ERP Reduction and Analysis
- Advisor: Dr. Damla Şentürk

California State Polytechnic University, Pomona, Pomona, California, USA

Bachelor of Science (B.S.) in Applied Mathematics and Statistics — Aug 2012 – Jun 2016

HONORS & AWARDS

Dissertation Year Fellowship ($35,000) — Jul 2022
Graduate Division, UCLA

Graduate Research Mentorship ($35,000) — Oct 2020
Graduate Division, UCLA

Abdelmonmen A. Afifi Student Fellowship ($5,000) — Jun 2019
UCLA Fielding School of Public Health

Student Poster Award ($500) — May 2019
Statistical Methods in Imaging Conference, UCI

Summa Cum Laude — Jun 2016
California State Polytechnic University, Pomona

RESEARCH EXPERIENCE

Department of Biostatistics, University of California, Los Angeles
Research Assistant — May 2018 – present
- Supervisor: Dr. Damla Şentürk
- Research areas: Functional data analysis, multi-task EEG.

PROFESSIONAL ORGANIZATIONS & SERVICE

MEMBERSHIPS

ASA, ENAR, WNAR, SIAM

DEPARTMENTAL AND UNIVERSITY COMMITTEES

Member, Society for Industrial and Applied Mathematics at CPP — 2015 – 2018
Member, Kappa Mu Epsilon — 2015 – 2018

NATIONAL AND INTERNATIONAL SERVICE

WNAR Program Committee — 2022

PUBLICATIONS

PUBLISHED AND SUBMITTED

- Dickinson, A., Campos, E., Şentürk D., Jeste S. (2021) Atypical oscillatory development during infancy in ASD. *Submitted*.
- Naples, A., Campos, E., Şentürk D. (2021) Biological motion identification in children with ASD. *Submitted*.
- Campos, E., Scheffler, A.W, Telesca, D., Sugar, C., DiStefano C., Jeste S., Levin, A.R., Naples, A., Webb, S.J., Shic, F., Dawson, G., Faja, S., McPartland, J.C., Şentürk D., Autism Biomarkers Consortium for Clinical Trials (2022) Multilevel hybrid principal components analysis for region-referenced functional EEG data. *Statistics in Medicine*, 1-21. doi.org/10.1002/sim.9445

- Campos, E., Hazlett C., Tan P., Truong H., Loo S., DiStefano C., Jeste S., Şentürk D. (2020) Principle ERP Reduction and analysis: Estimating and using principle ERP waveforms underlying ERPs across tasks, subjects, and electrodes. *NeuroImage*, 212, 116630. doi.org/10.1016/j.neuroimage.2020.116630

IN PREPARATION

- Campos, E., Scheffler, A.W, Telesca, D., Sugar, C., DiStefano C., Jeste S., Şentürk D. (2022) Region-referenced generalized functional linear model for longitudinal EEG data. *In preparation*.
- Schwartz, C., Campos, E., Şentürk D., Jeste S. (2021) Alpha asymmetry development during the first year of life in ASD. *In preparation*.
- Daniel, M., Campos, E., Şentürk D., Jeste S. (2021) Oscillatory activity in the gamma range in ASD. *In preparation*.

SOFTWARE

- Campos, E., Şentürk D., "mhpca: Multilevel Hybrid Principal Component Analysis," *R package available on Github*, Jun 2021.
- Campos, E., Hazlett C., Şentürk D., "pERPred: Principle ERP Reduction and Analysis," *R package available on Github*, Nov 2019.

PRESENTATIONS

INVITED TALKS

- Campos, E., Scheffler, A.W, Telesca, D., Sugar, C., DiStefano C., Jeste S., Levin, A.R., Naples, A., Webb, S.J., Shic, F., Dawson, G., Faja, S., McPartland, J.C., Şentürk D., Autism Biomarkers Consortium for Clinical Trials (04/2021) Multilevel hybrid principal components analysis for region-referenced functional EEG data. Paper presented at the Biostatistics Department Admitted Students Day, UCLA.
- Campos, E., Hazlett C., Tan P., Truong H., Loo S., DiStefano C., Jeste S., Şentürk D. (4/2020) Principle ERP Reduction and analysis: Estimating and using principle ERP waveforms underlying ERPs across tasks, subjects, and electrodes. Paper presented at the Biostatistics Department Admitted Students Day, UCLA.
- Campos, E., Hazlett C., Tan P., Truong H., Loo S., DiStefano C., Jeste S., Şentürk D. (3/2019) Principle ERP Reduction and analysis: Estimating and using principle ERP waveforms underlying ERPs across tasks, subjects, and electrodes. Paper presented at the Biostatistics Department Admitted Students Day, UCLA.

CONTRIBUTED TALKS

- Campos, E., Scheffler, A.W, Telesca, D., Sugar, C., DiStefano C., Jeste S., Levin, A.R., Naples, A., Webb, S.J., Shic, F., Dawson, G., Faja, S., McPartland, J.C., Şentürk D., Autism Biomarkers Consortium for Clinical Trials (06/2022) Multilevel hybrid principal components analysis for region-referenced functional EEG data. Paper presented at Western North American Region of the Internation Biometric Society Meeting, Virtual.
- Campos, E., Hazlett C., Tan P., Truong H., Loo S., DiStefano C., Jeste S., Şentürk D. (3/2020) Principle ERP Reduction and analysis: Estimating and using principle ERP waveforms underlying ERPs across tasks, subjects, and electrodes. Paper presented at Eastern North American Region of the International Biometric Society Meeting, Nashville, Tennessee.

POSTERS

- Campos, E., Scheffler, A.W, Telesca, D., Sugar, C., DiStefano C., Jeste S., Levin, A.R., Naples, A., Webb, S.J., Shic, F., Dawson, G., Faja, S., McPartland, J.C., Şentürk D., Autism Biomarkers Consortium for Clinical Trials (05/2021) Multilevel hybrid principal components analysis for region-referenced functional EEG data. Poster presented at the Statistical Methods in Imaging Conference, Emory University, Atlanta, Georgia.
- Campos, E., Hazlett C., Tan P., Truong H., Loo S., DiStefano C., Jeste S., Şentürk D. (7/2019) Principle ERP Reduction and analysis: Estimating and using principle ERP waveforms underlying ERPs across tasks, subjects, and electrodes. Poster presented at the Joint Statistical Meetings, Denver, Colorado.

- Campos, E., Hazlett C., Tan P., Truong H., Loo S., DiStefano C., Jeste S., Şentürk D. (6/2019) Principle ERP Reduction and analysis: Estimating and using principle ERP waveforms underlying ERPs across tasks, subjects, and electrodes. Poster presented at the Statistical Methods in Imaging Conference, University of California, Irvine. **SMI Student Poster Award 2019**

LEADERSHIP

Biostatistics Student Association, University of California, Los Angeles

Co-President	Jul 2020 – Sep 2021
Vice President of Financial Affairs	Sep 2019 – Jun 2020

TEACHING

Teaching Assistantships

Mathematical Statistics	Winter 2022
Foundations of Public Health	Fall 2021
Contemporary Health Issues	Winter 2019
Introduction to Data Management and Statistical Computing	Fall 2018
Introduction to Biostatistics	Winter 2018

Advising and Mentorship

Graduate-Undergraduate Mentorship (GUM) Mentor	2020-2021
DataBlog Mentor	2020-2021

Tutoring

Tutorial Specialist, Mt. San Antonio College	Aug 2016 – Jan 2018
Supplemental Instruction Leader, Mt. San Antonio College	Mar 2017 – Jun 2017
Apprentice, Chaffey College	Aug 2013 – Dec 2015

SKILLS

R, LaTeX, Julia, SAS, SQL, Python