Aaron Wolfe Scheffler

Curriculum Vitae
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CONTACT INFORMATION

Department of Biostatistics
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EDUCATION

2015-present	Ph.D. (expected 6/2019), Biostatistics, University of California, Los Angeles Advisor: Dr. Damla Şentürk Dissertation: Modeling Region-Referenced Longitudinal Functional EEG Data Research Interests: Functional Data Analysis, Penalized Regression, Optimization
2013-2015	M.S., Biostatistics, University of California, Los Angeles
2007-2011	B.A., Biochemistry, Columbia University, New York

RESEARCH EXPERIENCE

2015-present	Graduate Student Researcher, Department of Biostatistics, UCLA
2017-present	Statistical Consultant, MiraDx, Los Angeles, CA
2014-2016	Graduate Student Researcher, Semel Institute, UCLA
2011-2013	Researcher, Healthy Communities Institute, Berkeley, CA

HONORS AND AWARDS

2018	Dissertation Year Fellowship, Graduate Division, UCLA ($35,000)
2017	Graduate Research Mentorship, Graduate Division, UCLA ($35,000)
2016	Best Student Paper, Western North American Region of the Int'l. Biometric Society ($500)
2016	Graduate Summer Research Mentorship, Graduate Division, UCLA ($6,000)

RESEARCH PUBLICATIONS
Published and submitted

1. Weidhaas, J., **Scheffler, A**., Kalbasi, A., Salzman, D., Wilenius, K., Rietdorf, E., Heilig, M., Pitka, M., Desler, C., Ruan, D., Drakaki, A., Scholz, M., Telesca, D. (2018). Germ-line mutations in microRNA-pathways predict immune associated toxicity to anti-PD1/PDL1 therapy, *New England Journal of Medicine*. (in submission)

2. **Scheffler, A**., Telesca, D., Sugar, C., Jeste, S., Dickinson, A., DiStefano, C., Şentürk, D. (2018). Covariate-adjusted region-referenced generalized functional linear model for EEG data. *Statistics in Medicine*. (in submission)

3. **Scheffler, A**., Telesca, D., Li, Q., Sugar, C., DiStefano, C., Jeste, S., Şentürk, D. (2018). Hybrid principal components analysis for region-referenced longitudinal functional EEG data. *Biostatistics* **00**(00), 1-19.

4. Dickinson, A., DiStefano, C., **Scheffler, A**., Şentürk, D., Jeste, S. (2018). Interhemispheric

alpha-band hypoconnectivity in children with Autism Spectrum Disorder. *Behavioral Brain Research* **348**, 227-234.

5. Rotheram-Borus, E.J., Tomlinson, M., **Scheffler, A**., Weichle, T.W., Hayati Rezvan, P., Comulada W.S., Rotheram-Borus, M.J. (2018). Maternal patterns of antenatal and postnatal depressed mood and the impact on child health at 3-years postpartum. *Journal of Consulting and Clinical Pyschology* **86**(3), 218-230.

6. **Scheffler, A**.†, Hasenstab, K.†, Telesca, D., Sugar, C., Jeste, S., DiStefano, C., Şentürk, D. (2017). A multi-dimensional functional principal components analysis of EEG data. *Biometrics* **73**(3), 999-1009. (†Authors contributed equally) ***WNAR Best Student Paper 2016***

7. Rotheram-Borus, M.J., Tomlinson, M., **Scheffler, A**., Harris, D., Nelson, S. (2017). Adjustment of a population of South African children of mothers living with and without HIV through three years post-birth. *AIDS and Behavior* **21**(6), 1601-1610.

8. Arnold, E.M., Desmond, K.A., Rotheram-Borus, M.J., **Scheffler, A**., Comulada, W.S., Johnson, M.O., Kelly, J.A. (2017). Drug use and emotional distress differentiate unstably-versus stably-housed adults living with HIV who engage in unprotected sex. *Journal of Health Psychology* **22**(3), 302-313.

9. Tomlinson, M., Rotheram-Borus, M.J., le Roux, I., Youssef, M., Neslon, S., **Scheffler, A**., Weiss, R., O'Connor, M., Worthman, C. (2016). Thirty-six month outcomes of a generalist paraprofessional perinatal home visiting intervention in South Africa on maternal health and child health and development. *Prevention Science* **17**(8), 937-948.

10. Swendeman, D., Ramanthan, N., Baetscher, L., Medich, M., **Scheffler, A**., Comulada, W.S., Estrin, D. (2015). Smartphone self-monitoring to support self-management among people living with HIV: Perceived benefits and theory of change from a mixed-methods, randomized pilot study. *Journal of Acquired Immune Deficiency Syndrome* **69**(0 1), S90-S91.

11. Rotheram-Borus, M.J., Tomlinson, M., **Scheffler, A**., le Roux, I. (2015). Re-engagement in HIV care among mothers living with HIV in South Africa over 36 Months post-birth. *AIDS* **29**(17), 2361-2362.

In preparation

1. **Scheffler, A**., Jeste, S., Dickinson, A., DiStefano, C., Şentürk, D. (2018). Covariate-adjusted hybrid principal components analysis for region-referenced functional EEG data.

2. Naples, A., Webb, S., **Scheffler, A**., Şentürk, D., Levine, A. (2018). A repeatability analysis of EEG biomarkers in the Autism Biomarker Consortium trial.

3. Dickinson, A., DiStefano, C., Tran, X., **Scheffler, A**., Şentürk, D., Jeste, S. (2018). Inter-hemispheric oscillatory connectivity in infants with Autism Spectrum Disorder.

4. Şentürk D. and **Scheffler, A**. (2018). Modeling longitudinal trends in event related potentials (ERPs). (book chapter)

PRESENTATIONS

1. **Scheffler, A**., Telesca, D., Sugar, C., Jeste, S., Dickinson, A., DiStefano, C., Şentürk, D. (3/2019). Covariate-adjusted region-referenced generalized functional linear model for EEG Data. Paper to be presented at the Eastern North American Region of the International Biometric Society Meeting, Philadelpha, PA.

2. **Scheffler, A**., Telesca, D., Li, Q., Sugar, C., DiStefano, C., Jeste, S., Şentürk, D. (6/2018). Hybrid principal components analysis for region-referenced longitudinal functional EEG data. Paper presented at the International Biometric Society Meeting, Barcelona, Spain.

3. **Scheffler, A**., Telesca, D., Li, Q., Sugar, C., DiStefano, C., Jeste, S., Şentürk, D. (3/2018). Hybrid principal components analysis for region-referenced longitudinal functional EEG data. Poster presented at the Eastern North American Region of the International Biometric Society Meeting, Atlanta, GA.

4. **Scheffler, A**. Telesca, D., Li, Q., Sugar, C., DiStefano, C., Jeste, S., Şentürk, D. (6/2017). ybrid principal components analysis for region-referenced longitudinal functional EEG data. Paper presented at the Western North American Region of the International Biometric Society Meeting, Santa Fe, NM.

5. **Scheffler, A**., Hasenstab, K., Telesca, D., Sugar, C., Jeste, S., DiStefano, C., Şentürk, D. (7/2016). A multi-dimensional functional principal components analysis of EEG data. Paper presented at the Western North American Region of the International Biometric Society Meeting, Victoria, BC.

PROFESSIONAL AFFILIATIONS

2016-present   Member, Western North American Region of the International Biometric Society
2015-present   Member, American Statistical Association

REVIEWER

Annals of Applied Statistics
Biometrics

ACADEMIC SERVICE

2018-present   Mentor, Fielding School of Public Health Mentorship Program, UCLA
2017-present   Student Representative, Department of Biostatistics, UCLA
2017-present   President, Biostatistics Student Association, UCLA
2014-2015   VP of Finance, Fielding School of Public Health Student Association, UCLA