Jacob Konikoff

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EDUCATION

University of California Los Angeles, California
Ph.D. in Biostatistics, G.P.A. 4.0 Graduated May 2015
• $200,000 in training grants
• Thesis: Cross-Sectional HIV Incidence Estimation: Techniques and Challenges

University of Maryland College Park, Maryland
B.S. in Mathematics and B.A. in Economics, G.P.A. 4.0 Graduated May 2010
• Graduation flag-bearer
• Banneker Key Scholar
• Thesis: Analysis of Simplified DES Algorithms
    Won the Greg Mellen Memorial Cryptology Prize from the journal *Cryptologia*

WORK AND LEADERSHIP EXPERIENCE

Postdoctoral Fellow Aug. 2015-Present
Johns Hopkins University
• Guide quantitative development for a $15 million grant of 50 researchers in 5 countries
• Manage and direct 2 research associates and 1 student
• Provide national decision-makers in Africa with tools to analytically evaluate health initiatives
    Lead in-country workshops, create educational video tutorials, organize biweekly international calls

Statistical Consultant May 2013-Present
• Estimated screening for Zika virus can achieve a 30% reduction in the risk of contaminated blood donations
• Developed 2 new affordable biomarkers for disease tracking

Graduate Student Researcher in Biostatistics Feb. 2011-July 2015
University of California, Los Angeles
• Designed multi-institutional research projects
    Coordinated researchers from UCLA, Johns Hopkins University, and the National Institutes of Health
• Innovated novel techniques in infectious disease tracking and surveillance
    Assisted the World Health Organization with implementation

Instructor Aug. 2009-May 2015
• Taught graduate students as a speaker/guest lecturer
• Customized individual tutoring in mathematics and statistics
• Planned and instructed class sections as a teaching assistant

PUBLICATIONS AND PRESENTATIONS

• 8 peer reviewed publications cited by 125 other papers, 3 publications under review
    4 first author publications
• 4 invited and contributed talks at major statistical conferences
    Awarded best student presentation, WNAR Annual Meeting, University of Hawaii, Manoa 2014

TECHNICAL AND LANGUAGE SKILLS

• Mastered R, JAGS, WinBUGS, Stata, LaTeX, Microsoft Word, Microsoft Excel, Microsoft PowerPoint, Beamer, and
  Mathematica. Proficient in Adobe Photoshop, Adobe Illustrator, SAS, and MATLAB.
• Proficient in Hebrew

STANDARDIZED TESTING

• GRE: Verbal 790, Quantitative 800, Analytical Writing 5
• SAT: Critical Reading 770, Math 790

INTERESTS

• Running, backpacking, board games, national parks, foreign and domestic travel