JOHNNY LIN

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EDUCATION:

PhD. in Quantitative Psychology (in progress) — *Projected June 2012*
M.A. in Quantitative Psychology — *February 2009*
University of California, Los Angeles
Overall GPA: 3.72

B.S., Psychology Honors with Highest Distinction (Cum Laude) — *June 2006*
University of California, San Diego
Major GPA: 3.96, Overall GPA: 3.64

COURSES:

Statistics -	Advanced Psychological Statistics, Multilevel Modeling, Introduction to Probability, Introduction to Mathematical Statistics I and II, Theory of Statistics I and II, Computing in Statistics
Psychometrics -	Classical testing theory, Factor Analysis (currently taking), Structural Equation Modeling (currently taking), Item Response Theory (projected to take)
Mathematics & Science -	Single and Multivariate Calculus, Linear Algebra, Matrix Algebra for Engineering, Physics for Engineering (Mechanics, Electromagnetism, and Thermodynamics)

SKILLS:

Computer Programming -	C, Java, Python, MATLAB, LATEX
Statistical Software -	SPSS, SAS, R, EQS

AWARDS / FELLOWSHIPS:

Fellow of the Doctoral Training Program in Advanced Quantitative Methods in Education Research
http://aqm.gseis.ucla.edu/fellows.html

Chancellor's Undergraduate Research Award, Erion Scholarship, Psi Chi Undergraduate Scholarship

PRESENTATIONS:

Lin, J.C. & Bentler, P.M. (2009). *Does optimal scaling of ordinal variables by linearization improve estimation of the underlying continuous correlation?* The Society for Research on Educational Effectiveness.

RESEARCH EXPERIENCE:

1) Master's Thesis / Graduate Student, Dr. Peter Bentler — *Jan 2008 - Dec 2008*

- Used R and SPSS software packages to run simulation study comparing a new optimal scaling technique with unscaled correlations.
- Planned and hosted a "brown bag" with faculty members to disseminate results with three other graduate students

2) Honors project / Research Assistant, Dr. Piotr Winkielman, UCSD *Jul 2005 – Dec 2006*

- Presented research at poster presentation and submitted thesis paper.
- Created Microsoft Excel Visual Basic macros and SPSS command lines to automate the restructuring of physiological data.
- Analyzed behavioral data with repeated measures analysis of variance using SPSS.
- Recruited subjects to run psychophysiological study involving affective primes and collected data with BIOPAC Acquisition Software.

3) Undergraduate Research Project, Dr. Hal Pashler, UCSD *Jan 2005 – Mar 2005*

- Acted as statistical consultant for group members.
- Collected and tabulated data for experimental subjects using Microsoft Excel.
- Implemented descriptive statistics to determine non-normality of data using SPSS.
- Performed nonparametric Wilcoxon signed ranks test and Spearman's rho using S-PLUS.

4) Laboratory Assistant, Dr. Sandra Brown, UCSD *Sep 2004 – Sep 2006*

- Worked on project predicting scores of depression from a battery of neuropsyhological tests.
- Coded, cleaned and restructured complicated dataset of clinical assessments.
- Performed basic descriptive statistics and inference on on assessments using SPSS.
- Coded SPSS command lines to automate process of removing duplicate cases in data set.

5) Laboratory Assistant, Dr. Laura Schreibman, UCSD *Jun 2004 – Nov 2005*

- Provided in-home behavioral therapy for young children with autism.
    - Pivotal Response Training (PRT)
    - Picture Exchange Communication System (PECS)
- Coded data from videotaped therapy sessions.

TEACHING EXPERIENCE:

1) Teaching Assistant, Dr. Andrew Ainsworth (Psychology), UCLA *Jun 2008 – Aug 2008*

- Taught introduction statistics course for psychology students.
- Led weekly discussion class for about 70 undergraduate students.

2) SAT Teacher, The Princeton Review *Jun 2006 – present*

- Taught mathematics, reading and grammar sections of SAT to high school students.
- Evaluated and graded essays for SAT test takers.

3) Teaching Assistant, Dr. Heather Flowe (Psychology), UCSD *Mar 2006 – Jun 2006*

- Taught undergraduate statistics course for psychology students.
- Led weekly discussion class of about fifteen undergraduate students.
- Reviewed homework problems on such topics as hypothesis testing and linear regression.

4) Teaching Proctor, Dr. Walter Savitch (Computer Science), UCSD *Jan 2003 – Mar 2003*

- Held weekly computer lab sessions helping students with topics such as Windows, HTML, Javascript and Adobe Photoshop.