

Scott H. Liening

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A research analyst trained in research design and advanced statistical analysis, with experience in program evaluation.

EDUCATION

The University of Texas	Ph.D., Psychology <i>Specialty:</i> Research Design, Statistical Analysis	August 2012
The University of Michigan	B.A., Psychology	April 2005

WORK EXPERIENCE

New York City Department of Education – Director of Research & Evaluation for Computer Science Education
New York, NY November 2015 – Present

- Design evaluation strategy for CS4All – a 10 year, \$80 million computer science education initiative
- Manage and coordinate research projects conducted by external partners working in New York City schools
- Conduct long term and short cycle program evaluation of computer science programs across New York
 - Produce reports for computer science curriculum teams to improve teacher training
- Oversee all analytic needs of computer science education initiatives across New York City
 - Provide data for the Software Engineering Program and Beauty and Joy of Computing training programs
 - Advise in the development of new data systems and data infrastructure to facilitate student tracking

New York City Department of Education – Research Analyst; New York, NY March 2013 – November 2015

- Co-lead analyst in construction of an evaluation of the Office of Postsecondary Readiness program portfolio
- Provided analytic support to Office of Postsecondary Readiness team members
 - Used SQL to pull student data from Department of Education central databases
 - Wrote reports for team members for internal program planning, as well as public distribution
 - Authored documentation standardizing research being conducted on OPSR programs

Consultant – Austin, TX & New York, NY March 2011 – Present

- SocialCode: Analyzed Facebook ad data to identify key user groups (July – September, 2014)
- Moore Leadership: Designed personality assessment Striver Quotient or SQ (March 2011 – March 2014)

The University of Texas–Graduate Researcher, Technician, Instructor; Austin, TX August 2006 – August 2012

- Designed 8 experimental studies, and analyzed data using SPSS, R, SAS, Mplus, and Excel
 - Managed team of research assistants; 2-6 per semester over 5 years
- Tested new educational tools for statistics courses and assisted in re-designing curricula for Statistics Division
- Taught statistics labs; tutored students on designing, implementing, analyzing, and writing research projects

The University of Michigan –Lab Manager; Ann Arbor, MI May 2005 - August 2006

- Managed a team of 10+ undergraduate research assistants
- Programmed computer-based experimental tasks, maintained intra-lab computer network

TECHNICAL SKILLS

- **Software Packages:** SQL, SPSS, SAS, R, Mplus, MX, Excel, NVU (HTML), Mechanical Turk, Survey Monkey
- **Statistical Analyses:** Regression, Structural Equation Modeling, Factor Analysis, Hierarchical Linear Modeling

LEADERSHIP EXPERIENCE AND ACTIVITIES

- *Professional Membership:* American Educational Research Association, Society for Research on Educational Effectiveness, Society for Personality and Social Psychology, Society for Behavioral Neuroendocrinology
- *Reviewer:* Journal of Research in Personality, Clinical Biochemistry, Physiology & Behavior, Psychophysiology, Psychoneuroendocrinology, Society for Personality and Social Psychology annual meeting (2009)
- Mentor for Summer Undergraduate Research Experience at the University of Texas 2009-2010
- Volunteer at the Sexual Assault Prevention and Awareness Center 2003-2004

KEY PUBLICATIONS (all publications are listed on www.scottliening.com)

- *Publications in:* Physiology & Behavior, Social & Personality Psychology Compass, Encyclopedia of Human Behavior (2nd ed.), Journal of Research in Personality, Hormones & Behavior, Psychology & Health