

Alexander Strashny

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<http://PeacefulGains.com/>

Experience

Founder / Statistician, 2008 – Present

Peaceful Gains

- Developed a proprietary statistical methodology for calculating optimal asset allocations
- Publish free newsletters with asset allocation recommendations
- Maintain company website that clearly and accurately explains the issues involved

Statistician, 2005 – Present

National Center for Statistics and Analysis, National Highway Traffic Safety Administration

- Manage cooperative agreements as a Contracting Officer's Technical Representative
- Review reports written by others that involve statistical analysis
- Perform statistical analyses of traffic safety databases
- Write reports, create and deliver presentations that explain analyses
- Won the following awards:
 - Secretary's Transportation Safety Award (2009)
 - Associate Administrator's Certificates of Appreciation (three in 2006; 2008)

Instructor and Teaching Assistant, 1999 – 2005 (part time)

University of California at Irvine

- Taught Introduction to Econometrics
- Created class curricula, exams, and class projects
- Supervised Teaching Assistants

Education

PhD, Mathematical Behavioral Sciences, 2007

University of California at Irvine

- Studied statistics (frequentist and Bayesian), econometrics, psychometrics, and economics

BS, Engineering, 1999

The Cooper Union for the Advancement of Science and Art

- Studied mathematics, economics and business, biology and organic chemistry, engineering, other sciences, humanities

Computer Skills

- Statistics: MATLAB, SAS, Eviews, Stata, SPSS
- Publishing: HTML, CSS, WordPress, LaTeX, MS Office, OpenOffice.org
- Financial: Omega Research ProSuite
- General: QBasic, C

Language

- Fluent in Russian

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Peer Reviewer

I have reviewed articles for the following:

- Transportation Research Board of the National Academies 88th Annual Meeting (2008) and 89th Annual Meeting (2009)
- Journal of Mathematical Psychology (2008)

Reports

- “Estimating Median Hospital Charge in the CODES Crash Outcome Data Evaluation System,” October 2009, DOT HS 811 217. Washington, DC: National Highway Traffic Safety Administration.
- “The Role of Vertical Roof Intrusion in Predicting Occupant Ejection,” June 2009, ESV paper 09-0564. Enhanced Safety of Vehicles Conference.
- “Relationship between Frontal Stiffness and Occupant Compartment Intrusion in Frontal Crash Tests,” April 2008, SAE paper 2008-01-0815. Society of Automotive Engineers. Joint paper with James Saunders and Chris Wiacek.
- “The Role of Vertical Roof Intrusion and Post-Crash Headroom in Predicting Roof Contact Injuries to the Head, Neck, or Face During FMVSS No. 216 Rollovers: an Updated Analysis,” October 2007, DOT HS 810 847. Washington, DC: National Highway Traffic Safety Administration.
- “An Analysis of Traffic Safety in the United States as Compared to Other Developed Countries,” August 2007, DOT HS 810 788. Washington, DC: National Highway Traffic Safety Administration.
- “An Analysis of Motor Vehicle Rollover Crashes and Injury Outcomes,” March 2007, DOT HS 810 741. Washington, DC: National Highway Traffic Safety Administration.

Ph.D. Dissertation

- “Dynamic paired comparison models,” 2007. University of California at Irvine.

Conference Papers

- “The Role of Vertical Roof Intrusion in Predicting Occupant Ejection.” Presented in June 2009 at the 21st International Technical Conference on the Enhanced Safety of Vehicles Conference (ESV) in Stuttgart, Germany.
- “An Overview of Rollovers.” Presented in January 2008 at the 87th annual meeting of the Transportation Research Board (TRB) in Washington, DC.
- “Cultural Consensus Theory (CCT) with continuous numerical responses.” Presented in February 2005 at the Santa Fe Institute in New Mexico; and in August 2005 at the 38th annual meeting of the Society for Mathematical Psychology in Memphis.
- “Learning in paired-comparison systems.” Presented in November 2003 at the Winer Memorial Lectures, Purdue University. Joint paper with William H. Batchelder.