

TEACHING
EXPERIENCE

Penn State University

Design and Analysis of Experiments (STAT 512), Spring 2012
Regression Analysis and Modeling (STAT 511), Fall 2011
Applied Statistics (STAT 500 - PSU World Campus), Fall 2010
Categorical Data Analysis (STAT 544), Fall 2008/09, Fall 2011
Introduction to Computing Environments (STAT 597C), Fall 2008/09
Data Privacy (STAT 598B/CSE 598D), Fall 2007
Analysis of Discrete Data (STAT 504 - PSU World Campus), Spring 2007/08/09/10/11
Analysis of Discrete Data (STAT 504), Spring 2005/06/07/08/09/10/11
Intermediate Applied Statistics (STAT 460), Fall 2004/05/06/07

Carnegie Mellon University

Introduction to Probability and Statistics (46731), Summer 2002
Introduction to Statistical Reasoning (36201), Summer 2000

STUDENT
ADVISING

PhD Thesis Advisor:

- Juyoun Lee (Statistics), September 2009
- Vishesh Karwa (Statistics)
- Jeffery Woo (Statistics)

MS Thesis Advisor:

- Byran Smucker (Statistics and Operations Research), December 2007
- Xiaotian Zhu (Mathematics), December 2008.

PhD Thesis Committee Member, minor advisor:

- Mildred Maldonado-Molina (Human Development (statistics minor), 2005)
- Lan Yu (Educational Psychology (statistics minor), 2007)
- Tamika Gilreath (Biobehavioral Health Department (statistics minor) 2007)
- Hyekyung Jung, (Statistics, 2007)
- Bimal Balakrishnan (Mass Communication (statistics minor), 2008)
- Gregorio Convertino (Information Sciences and Technology, 2008)
- Yuejiao Ma (Statistics, 2009)
- Alexander Yin (Higher Education (masters in applied statistics), 2009)
- Joanna Bissel (Human Development (statistics minor), 2010)
- Wen Hu (Civil Engineering (statistics minor), 2010)
- Hong Li (Educational Psychology (statistics minor), 2011)
- Thomas George (Information Sciences and Technology)
- Yu-Chu Lin (Statistics)
- Daniel Kwon (Civil Engineering (statistics minor))
- Claudia Nau (Social Science)
- Qiong Wu (Educational Psychology (statistics minor))
- Nicholas Warcholak (Educational Psychology (statistics minor))
- Anna Wu (Information Sciences and Technology)
- Kun-Feng Wu (Civil Engineering (statistics minor))

- Lan Yu (Educational Psychology (statistics minor))
- Yu Zhao (Educational Psychology (statistics minor))

MS Thesis Committee Member*, project advisor:

- Vishesh Karwa* (Civil Engineering, August 2009; independent study, Summer 2008)
- Jeffery Woo (Statistics, independent study, Spring 2009)
- Matthew Tibbits (Statistics, Summer/Fall 2007)
- Tracey Wrobel (Statistics, Summer/Fall 2005)
- Ashley Perretta (Statistics, undergraduate, independent study, Spring 2005)

PROFESSIONAL
ACTIVITIES &
AFFILIATIONS

Associate Editor:

- Annals of Applied Statistics,
- Journal of Privacy and Confidentiality,
- Journal of Statistical Computation and Simulation, June 2009 - August 2011.

Column Editor: CHANCE

Referee: Annals of Applied Statistics, Annals of Statistics, Biometrics, Journal of American Statistical Association, Journal of Official Statistics, Journal of Statistical Planning and Inference, Journal of Symbolic Computation, Journal of the Italian Statistical Society, Management Information Systems Quarterly, Statistica Sinica, Section on Bayesian Statistical Science (SBSS) Student Paper Competition Judging Committee for JSM 2007 Awards Committee, Peer Reviewer for the National Science Foundation, the National Security Agency.

Organizing committee:

- *Workshop: Statistical and Learning-Theoretic Challenges in Data Privacy*, IPAM, February 22-26, 2010.
- *Invited Session at JSM 2009: "O' Privacy Where are Thou: Mapping the Landscape of Data Privacy and Confidentiality,"* Washington, DC, August 2009.
- *Invited Session at JSM 2009: "Rigorous Foundation of Data Privacy and Confidentiality,"* Washington, DC, August 2009.
- *Workshop on Matrix Theory and Computations for Research in Social and Physical Sciences*, Department of Statistics, PSU, July 2006.

Program Committee:

- *Workshop on Privacy Aspects of Data Mining (PADM 2011)*, IEEE International Conference on Data Mining (ICDM 2011), December 2011.
- *Scientific Programme Committee for the ISI Young Statisticians Meeting*, The ISI World Congress, Dublin, August 2011.
- *Workshop on Privacy and Security Aspects of Data Mining*, The Fifth and Sixth IEEE International Conference on Data Mining, November 2005, October 2007.

- *Session on Computer Security and Data Privacy*, the IEEE International Conference on Granular Computing, May 2006.

Advisory Committee:

- *Law and Neuroscience Project advisory group*, “Reasoning from Group Data to Individual Decision Making.” Sponsored by the MacArthur Foundation. Chicago, September 9-11, 2010.
- *Geographic Information Analysis (GIA) Core*, Population Research Institute, Penn State University, September 2010-present.

Committee/Panel Member:

- National Academy of Sciences, Committee on National Statistics’ Panel on Measuring and Collecting Pay Information from U.S. Employers by Gender, Race, and National Origin, 2011 - present.
- The International Statistical Institute (ISI) Committee for Young Statisticians, 2011- present.
- American Statistical Association (ASA) Committee on Privacy and Confidentiality in Statistics, starting in 2012.

Committee/Panel Member, Penn State University:

- Promotion and Tenure Panel (P&T Workshop, Fall 2010), Eberly College of Science
- Mentoring Workshop Panel, *Mentoring in the Middle* (April 14, 2010), PSU Graduate Student and Faculty Issues Committee.

Committee Member, Department of Statistics, PSU:

- Department Head Search Committee (2008/09)
- Interdisciplinary Initiatives (2008/09/10)
- Hiring and Retention (2008/09/10/11)
- Outreach Advisory (2008/09/10/11)
- Primary Mentor STAT 460 (2008/09/10)
- Master’s Exam (*Chair*, 2007/08, 2011)
- Graduate Admissions (2007/08/10/11)
- Graduate Program (2005/06/07/08/09/10/11)
- PhD Exam (2005/06)
- Colloquium Series (*Chair*, 2005)
- Social (*Chair*, 2005/06/07/08/09, 2004)
- Advisory and Strategic Planning Committee (2004/05/06)
- Statistical Consulting Center Faculty Advisory Committee (2005/06/07/08/09)

Affiliations:

- The Institute of Mathematical Statistics
- The American Statistical Association
- International Society for Bayesian Analysis

HONORS

- The Social Statistics, Government Statistics, and Survey Research Methods Sections Joint Statistical Meetings 2008 winner of Student and Postgraduate Paper Competition. Jointly with Byran Smucker
- IMA Long Term Visitor to the Program in Applications in Biology, Dynamics, and Statistics. (January 31 - March 31, 2007). The Institute of Mathematics and Its Applications (IMA). Minneapolis, MN
- Honorable Mention, Prize for the best student paper. *The Committee on Statisticians in Defense and National Security of the American Statistical Association* (2003)
- Honorable Mention, Best contributed poster/papers of the *Fifth International Conference on Forensic Statistics* (2002)
- Phi Kappa Phi National Honor Society, Carnegie Mellon University (2001-present)
- Duquesne University Tamburtizans Scholarship, Duquesne University (1993-1996)
- Liebermann Scholarship for Academic Excellence, Duquesne University (1993-1996)

FUNDING

NIH/NCRR Grant Number UL1RR033184 (PI: Dr. L. Sinoway). "Penn State Clinical and Translational Science Institute". Project dates: 07/01/11 - 06/31/2016. A. Slavković - Data Privacy Officer - 1.8 calendar months effort.

NSF Award No. BCS-0941553 (PI: A. Slavković; co-PIs: J. Abowd (Cornell), S. Fienberg (CMU), A. Smith (PSU), S. Raskhodnikova (PSU)). "CDI-Type II: Integrating Statistics and Computational Approaches to Data Privacy." Project dates: 09/01/2010 - 08/31/2014. Direct and indirect costs PSU \$1,025,626.

NSF Award No. SES-0532407. (PI: Slavković) "Statistical Disclosure Limitation Methods for Tabular Data." Project dates: 10/01/2005 - 09/30/2008, extended to 09/30/2010. Direct and indirect costs \$260,000.

Collaborative research with National Institute of Statistical Sciences on NSF funded project EIA-0131884, (PI: Karr) "Digital Government: Data Confidentiality, Data Quality and Data Integration for Federal Databases." Project Dates: 05/01/2006-08/31/2006, and 05/01/2005 - 08/31/2005.

The Methodology Center Level-I pilot awarded from NIH NIDA 2 P50 DA10075 (PI: Collins) with E. Michael Foster. Project Dates: 05/01/2005 - 08/31/2005.

TRAVEL GRANTS

The 9th International Society for Bayesian Analysis (ISBA) World Meeting. Hamilton Island, Australia. (July 2008); The 7th World Congress of Probability and Statistics, Singapore (July 2008). Workshop on Data Confidentiality. Sponsored by National Science Foundation, Microsoft Corporation and IBM Almaden Research Center. Arlington, VA. (September 2007); Workshop on

Algebraic Statistics and Computational Biology. (November 2005); The 69th Annual Meeting of the Institute of Mathematical Statistics and X Brazilian School of Probability (August 2006); Computer Science-Statistics Workshop on Privacy and Confidentiality (July 2005); DIMACS Workshop on Usable Privacy and Security Software. (March 2004); Workshop on Computational Algebraic Statistics. (December 2003); Challenges In Stochastic Computation Closing Workshop, SAMSI (June 2003); GROSTAT VI and First International School on Algebraic Statistics. (February 2003); Fifth International Conference on Forensic Statistics (September 2002).

INVITED
PRESENTATIONS

(October 2011) Mini-symposium on *Categorical Data: Contingency Tables and Network Structures*, SIAM Conference on Applied Algebraic Geometry, North Carolina State University, NC.

(May 2011) The Fourth Erich L. Lehmann Symposium, Rice University, Houston, TX.

(July 2010) Society of Industrial and Applied Mathematics (SIAM), Annual Meeting, Pittsburgh, PA.

(March 2010) Advances in Algebraic Statistics. AMS Spring Southeastern Sectional Meeting, University of Kentucky, Lexington, KY.

(February 2010) Statistical and Learning-Theoretic Challenges in Data Privacy. Institute For Pure and Applied Mathematics, Los Angeles, CA.

(February 2010) Department of Mathematics, California State University, Fullerton, CA.

(November 2009) Department of Statistics, Ohio State University, Columbus, OH.

(August 2009) Joint Statistical Meetings, Washington, DC.

(May 2009) Center for Statistical and Social Sciences, University of Washington, Seattle, WA.

(March 2009) Science, Technology, and Society Program, Penn State University, University Park, PA.

(March 2009) Departments of Mathematics and Statistics, University of Kentucky, Lexington, KY.

(December 2008) Workshop in Algebraic Statistics. Mathematical Sciences Research Institute (MSRI), Berkeley, CA.

(November 2008) Department of Statistics, University of California, Berkeley, CA. *Neyman Seminar*.

INVITED
PRESENTATIONS

(July 2008) The 9th International Society for Bayesian Analysis (ISBA) World Meeting. Hamilton Island, Australia. Poster Session.

(July 2008) The 7th World Congress in Probability and Statistics. Singapore.

(May 2008) ORM/NCHS/CDC/NISS Workshop on Data Confidentiality: The Next Five Years. Hyattsville, MD

(February 2008) BSF/DIMACS/DyDAn Workshop on Data Privacy. Center for Discrete Mathematics & Theoretical Computer Science, Piscataway, NJ.

(January 2008) Methodology Center, Penn State, University Park, PA.

(October 2007) Workshop on Privacy and Security Aspects of Data Mining. 7th IEEE International Conference on Data Mining, Omaha, NE.

(October 2007) RAND, Pittsburgh, PA.

(July 2007) Mathematical Institute of the Serbian Academy of Sciences and Arts, Belgrade, Serbia.

(March 2007) Workshop in Applications in Biology, Dynamics, and Statistics. The Institute of Mathematics and Its Applications, Minneapolis, MN.

(December 2006) Conference on Privacy in Statistical Databases. Rome, Italy.

(December 2006) New York University Stern Business School, New York, NY.

(November 2006) The Quantitative Social Science Initiative, Penn State University, University Park, PA.

(July 2006) The National Institute of Statistical Sciences, Research Triangle Park, NC.

(June 2006) The Faculty of Mathematics, University of Belgrade, Belgrade, Serbia.

(March 2006) Data Confidentiality Mid-Year Workshop A Working Group in National Defense and Homeland Security at SAMSI. National Center for Health Statistics, Hyattsville, MD.

(January 2006) AMS Special Session on Algebraic Statistics. Joint Mathematics Meetings, San Antonio, TX.

(August 2005) Eight North American Meeting of New Researchers in Statistics and Probability. Minneapolis, MN.

(July 2005) Computer Science-Statistics Workshop on Privacy and Confidentiality. University of Bologna Residential Center, Bertinoro (Forl), Italy.

INVITED PRESENTATIONS (June 2005) Department of Mathematics, University of Novi Sad, Novi Sad, Serbia.

(June 2005) Statistical Office of the Republic of Serbia, Belgrade, Serbia.

(March 2005) Session on New Approaches to Statistical Access to Data in a Confidential World. ENAR 2005, Austin, TX.

(December 2004) Session on Disclosure Limitation Methods for Protecting the Confidentiality of Statistical Data. International Conference on the Future of Statistical Theory, Practice and Education, Hyderabad, India.

(November 2004) Workshop on Privacy and Security Aspects of Data Mining, 4th IEEE International Conference on Data Mining, Brighton, England.

(March 2004) DIMACS Workshop on Usable Privacy and Security Software. Center for Discrete Mathematics & Theoretical Computer Science, Rutgers University, Piscataway, NJ.

(February 2004) Department of Statistics, Harvard University, Boston, MA.

(February 2004) Department of Statistics, Penn State University, University Park, PA.

(November 2003) Data Confidentiality Day. The Bureau of Labor Statistics, Washington, DC.

(August 2003) Joint Statistical Meeting, San Francisco, CA. Poster Session.

(July 2003) International Conference on Application of Computer Algebra. Raleigh, NC.

(June 2003) Challenges In Stochastic Computation Closing Workshop. SAMSI, Research Triangle Park, NC.

(June 2002) C. Warren Neel Conference on Statistical Data Mining & Knowledge Discovery. Knoxville, TN.

PRESENTATIONS (August 2011) Joint Statistical Meetings, Miami, FL.

(August 2006) The 69th Annual Meeting of the Institute of Mathematical Statistics and X Brazilian School of Probability. Instituto Nacional de Matematica Pura e Aplicada (IMPA), Rio de Janeiro, Brazil.

(August 2005) Joint Statistical Meetings, Minneapolis, MN.

(October 2003) Math Department, University of California Berkeley.

(August 2003) Joint Statistical Meetings, San Francisco, CA. Contributed Paper Session on Disclosure/Confidentiality.

(September 2002) Fifth International Conference on Forensic Statistics. Isola di San Servolo, Venice, Italy. *Honorable Mention* among contributed papers.

(April 1999) ACM CHI'99 Conference on Human Factors in Computing Systems. Pittsburgh, PA. Poster.

INVITED
WORKSHOPS

(December 11-16, 2011) *Singular learning theory*. American Institute of Mathematics (AIM), Palo Alto, CA.

(December 16-17, 2010) *Workshop on the Future of Observatories in the Social Sciences*. Sponsored by the National Science Foundations Social, Behavioral and Economic Sciences Directorate, Arlington, VA.

(February 22-26, 2010) *Statistical and Learning-Theoretic Challenges in Data Privacy*. Institute for Pure & Applied Mathematics (IPAM), Los Angeles, CA.

(December 15-18, 2008) *Algebraic Statistics*. Mathematical Sciences Research Institute (MSRI). Berkeley, CA.

(May 1-2, 2008) *Workshop on Data Confidentiality: The Next Five Years*. Sponsored by Office of Research and Methodology (ORM), National Center for Health Statistics (NCHS), CDC, National Institute of Statistical Sciences (NISS). Hyattsville, MD.

(February 4-8, 2008) *Workshop on Data Privacy*. Sponsored by BSF/DIMACS Center for Discrete Mathematics & Theoretical Computer Science. Piscataway, NJ.

(September 6-8, 2007) *Workshop on Data Confidentiality*. Sponsored by National Science Foundation, Microsoft Corporation and IBM Almaden Research Center. Arlington, VA.

(January 31-March 31, 2007) *Applications of Algebraic Geometry*. The Institute for Mathematics and Its Applications (IMA), Minneapolis, MN.

(March 13, 2006) *Data Confidentiality Mid-Year Workshop A Working Group in National Defense and Homeland Security at SAMSI*. National Center for Health Statistics, Hyattsville, MD.

(November 12-14, 2005) *Workshop on Algebraic Statistics and Computational Biology*. Clay Mathematics Institute, Boston, MA.

(July 9-15, 2005) *Computer Science-Statistics Workshop on Privacy and Confidentiality*, University of Bologna Residential Center, Bertinoro (Forl), Italy.

(November 1-4, 2004). *Workshop on Privacy and Security Aspects of Data Mining*. 4th IEEE International Conference on Data Mining, Brighton, UK.

(March 15-16, 2004) *DIMACS Workshop on Usable Privacy and Security Software*. Center for Discrete Mathematics & Theoretical Computer Science, Piscataway, NJ.

(December 14-18, 2003) *Workshop on Computational Algebraic Statistics*. American Institute of Mathematics, Palo Alto, CA.

(February 17-23, 2003) *GROSTAT VI and First International School on Algebraic Statistics*. Menton, France.

WORKSHOPS

(November 2010) *Census Research Data Center Network: Annual Research Conference*, Maryland Population Research Center, University of Maryland, College Park, MD.

(October 2010) *STRIDE Workshop*, Pennsylvania State University, University Park, PA.

(September 2008) *Discrete Models in Systems Biology*. SAMSI, Research Triangle, NC.

(May 2008) *Nonparametric Statistics and Mixture Models: Past, Present and Future*. Penn State University, University Park, PA.

(June 2007) *12th Summer Institute on Longitudinal Methods*. The Methodology Center, Penn State University, University Park, PA.

(September 2007, 2005, 2003, 2001) *Case Studies in Bayesian Statistics*. Department of Statistics, Carnegie Mellon University, Pittsburgh, PA.

(October 2005) *The Methodology Center Fall Retreat*. The Methodology Center, Penn State University, University Park, PA.

(March 2003) *Privacy in Data*. ALADDIN Center & the Data Privacy Lab, Carnegie Mellon University, Pittsburgh, PA.

REFEREED PUBLICATIONS

Privacy Preserving GWAS data sharing (with S. Fienberg and C. Uhler). Accepted.

Slavković, A. B., Zhu, X. and Petrović, S. “Mathematical Aspects of the Space of Contingency Tables Given Conditional Frequencies and their Relations to Marginals.” Submitted.

Smucker, B., Slavković, A.B. and Zhu, X. “Cell Bounds in k-way Tables given Conditional Frequencies.” A version of this paper is a GSS/SSS/SRMS JSM 2008 Student Paper Competition Winner. – under revision.

Convertino, G, Mentis, H., Slavković, A., Rosson, M.B., and Carroll, J.M. (2011). “Supporting Knowledge Sharing and Awareness in Distributed Emergency Management Planning: A Design Research Project”. *ACM Transactions on Computer-Human Interaction (TOCHI). Special Issue on Media & Collaborative Systems for Crisis Management*. Eds. Hiltz, R and Diaz, P. – to appear.

Karwa, V., Slavković, A. and Donnel, E.T. (2011). “Causal Inference in Transportation Safety Studies: Comparison of Potential Outcomes and Causal Diagrams.” *Annals of Applied Statistics*. Vol. 5, Issue 2B, pages 1428-1455.

Altman, N., Wang, Q., Karwa, V. and Slavković, A. (2010). “Resolving Isoform Expression using Digital gene Expression Data.” *Journal of Indian Society of Agricultural Statistics. Special Issue on Statistical Genomics*. Vol. 64, Issue 1, pages 19-31.

Slavković, A. B. (2010). “Partial Information Releases for Confidential Contingency Table Entries: Present and Future Research Efforts.” *Journal of Privacy and Confidentiality*. Vol. 1, Issue 2, Article 9.

Slavković, A.B. and Lee, J. (2010). “Synthetic two-way contingency tables that preserve conditional frequencies.” *Statistical Methodology. Special Issue on Statistical Methods for Social Sciences*. Vol 7, Issue 3, pages 225-239.

Duy, V. and Slavković, A. (2009) “Differential Privacy for Clinical Trial Data: Preliminary Evaluations.” *Proceedings of the International workshop on Privacy Aspects of Data Mining, PADM09*, pages 138-143. IEEE Press.

Slavković, A. and Fienberg, S.E. (2009). “Algebraic Geometry of 2×2 Contingency Tables.” In P. Gibilisco, E. Riccomagno, M.P. Rogantin, H.P. Wynn, eds., *Algebraic and Geometric Methods in Statistics*, pages 63-81. Cambridge University Press, UK.

Fienberg, S.E., Nardi, Y, Slavković, A.B. (2009). “Valid Statistical Analysis for Logistic Regression with Multiple Sources.” In Gal, C.S., Kantor, P.B., Lesk, M.E., eds., *Protecting Persons While Protecting the People*. Lecture Notes in Computer Science No. 5661, pages 82-94. Springer, Heidelberg.

Convertino, G., Mentis, H.M., Rosson, M.B., Slavković, A., and Carroll, J.M. (2009). “Supporting Content and Process Common Ground in Computer - Supported Teamwork.” In *Proceedings of the 27th international conference on Human factors in computing systems*, pages 2339-2348. ACM Press, NY.

Dobra, A., Fienberg, S.E., Rinaldo, A., Slavković, A. and Zhou, Y. (2009). “Algebraic Statistics and Contingency Table Problems: Log-linear models, likelihood estimation, and disclosure limitation.” In M. Putinar and S. Sullivant, eds., *Emerging Applications of Algebraic Geometry: IMA Volumes in Mathematics and its Applications*, Vol. 149, pages 63-88.

Smucker, B., and Slavković, A.B. (2008). "Cell Bounds in Two-Way Contingency Tables Based on Conditional Frequencies." In J. Domingo-Ferrer and Y. Saygin, eds., *Privacy in Statistical Databases – PSD 2008*, Lecture Notes in Computer Science No.5262, pages 64-77. Berlin, Springer-Verlag.

Convertino G., Mentis H., Rosson M.B., Carroll J.M., Slavković, A., and Ganoë, C.H. (2008). "Articulating Common Ground in Cooperative Work: Content and Process." In *Proceeding of the twenty-sixth annual SIGCHI conference on Human factors in computing systems*, pages 1637-1646. ACM Press, New York, NY.

Fienberg, S.E. and Slavković, A.B. (2008). "A Survey of Statistical Approaches to Preserving Confidentiality of Contingency Table Entries." In C. Aggrawal and P. Yu, eds., *Privacy-Preserving Data Mining: Models and Algorithms*, Vol. 34, pages 291-312. Springer, New York.

Slavković, A.B., Nardi, Y. and Tibbits, M.M. (2007). "Secure Logistic Regression of Horizontally and Vertically Partitioned Distributed Databases." *Proceedings of Workshop on Privacy and Security Aspects of Data Mining*, pages 723-728. IEEE Computer Society Press.

Fienberg, S.E, Fulp, W.J., Slavković, A.B. and Wrobel, T. (2006). "Secure Log-Linear and Logistic Regression Analysis of Distributed Databases." In J. Domingo-Ferrer and L. Francon, eds., *Privacy in Statistical Databases – PSD 2006*, Lecture Notes in Computer Science No.4302, pages 277-290. Berlin, Springer-Verlag.

Slavković, A. and Sullivant, S. (2006). "The Space of Compatible Full Conditionals is a Unimodular Toric Variety." Special Issue of *Journal of Symbolic Computation*. 41(2), pages 196-209.

Fienberg, S.E. and Slavković, A.B. (2005). "Preserving the Confidentiality of Categorical Statistical Data Bases When Releasing Information for Association Rules." *Data Mining and Knowledge Discovery Journal*. 11(2), pages 155-180.

Slavković, A.B. (2004). "Statistical Disclosure Limitation with Released Marginals and Conditionals for Contingency Tables." *Proceedings of Workshop on Privacy and Security Aspects of Data Mining ICDM '04*. pages 13-20. IEEE Computer Society Press.

Slavković, A.B. and Fienberg, S.E. (2004). "Bounds for Cell Entries in Two-Way Tables Given Conditional Frequencies." Domingo-Ferrer, J., ,Vicence, T. (eds.) *Proceedings of Privacy in Statistical Databases – PSD'2004*. Springer Lecture Notes in Computer Science No.3050, pages 30-43.

- REFEREED PUBLICATIONS Fienberg, S.E. and Slavković, A.B. (2004). "Making the Release of Confidential Data from Multi-Way Tables Count." *Chance*. Vol.17, 3, pages 5-10.
- Slavković, A. (2004). "Automated Scoring of Polygraph Data." In H. Bozdogan, ed., *Statistical Data Mining and Knowledge Discovery*, Chapman & Hall/CRC Press, pages 135-155.
- Patrick, E., Cosgrove, D., Slavković, A., Rode, J.A., Verratti, T., Chiselko, G. (2000). "Using a Large Projection Screen as an Alternative to Head Mounted Displays for Virtual Environments." *Proceedings of the ACM CHI 2000 Conf. on Human Factors in Computing Systems*, pages 478-485. ACM Press, New York, NY.
- Slavković, A. and Cross, K. (1999). "Novice Heuristics Evaluation of a Complex Interface." *Extended Abstracts of the ACM CHI 1999 Conference on Human Factors in Computing Systems*, pages 96-101. ACM Press, New York, NY.
- NON-REFEREED PUBLICATIONS Petrović, S. and Slavković, A (2010). "Algebraic Statistics". International Encyclopedia of Statistical Science. Springer-Verlag.
- Fienberg, S. E. and Slavković, A (2010). "Data Privacy and Confidentiality". International Encyclopedia of Statistical Science. Springer-Verlag.
- Lee, J., and Slavković, A.B. (2008). "Synthetic tabular data preserving the observed conditional frequencies." In J. Domingo-Ferrer and Y. Saygin, eds., *Privacy in Statistical Databases – PSD 2008*. CD-Proceedings.
- Slavković, A. (2008). "Coding: Statistical Data Masking Techniques" in E. Melnick and B.Eviritt, eds., *Encyclopedia of Quantitative Risk Assessment*. Vol 1. John Wiley & Sons Limited, Chichester, UK.
- Fienberg, S., Karr, A., Nardi, Y, and Slavković, A. (2007). Secure logistic regression with distributed databases. In Proceedings of the 56th Session of the ISI, *The Bulletin of the International Statistical Institute*. Published on the CD Proceedings of ISI 2007.
- Slavković, A. (2002). *Evaluating Polygraph Data*. Technical Report 766. Department of Statistics. Carnegie Mellon University.
- IN PREPARATION Karwa, V. and A. Slavković. "Partially identified ecological inference models the lens of algebraic statistics."
- Karwa, V. and A. Slavković. "Releasing degree sequence of a graph under differential privacy."

Slavković, A., Nardi, Y., and Fienberg, S.E. “Secure Analysis of Horizontally and Vertically Partitioned Categorical Data.” To be submitted to *Journal of Official Statistics*.

Slavković, A., Conventio, G., Rosson, M.B. and Carrol, J. “Statistical Modeling of Activity Awareness in Computer Supported Cooperate Work”. To be submitted to *Annals of Applied Statistics*.

Lee, J. and Slavković, A.B. “Sampling techniques with algebraic tools given partial information for contingency tables.” To be submitted to *Journal of Statistical Computation and Simulation*.

COMPUTER
SKILLS

Software: R, S-plus, SAS, SPSS, Minitab, Matlab, LattE, 4ti2
Programming: elementary knowledge of C++, Java, HTML.
Operating Systems: UNIX/Linux, Windows, Macintosh.

LANGUAGES

Serbian (native), English (fluent), German and Spanish (beginner)

NON-PROFIT
ACTIVITIES &
AFFILIATIONS

Duquesne University Tamburitzans - dance, vocal, flute, interpreter, 1993-96
Performer with the Serbian National Federation Cultural Department
Carnegie Mellon University Ballroom Dance Club
Penn State University Ballroom Dance Club & Social Dance club