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I am a quantitative methodologist with broad methodological interests and expertise in research design, psychometry, epidemiology, and biostatistics, with specific quantitative skills in latent variable modeling and longitudinal data analysis. I also have substantive research interests in the prevention of victimization, alcohol and prescription drug abuse, and general health and behavioral problems through investigation of protective and risk factors. I am interested in evaluating strategies for preventing and resolving such problems at both the individual and societal level. I am the founder and current director of the Office of Methodological & Data Sciences at Utah State University.

Education

MS, Quantitative Epidemiology, University of Cincinnati College of Medicine, 2008

PhD, Experimental Psychology (Quantitative Emphasis), University of Cincinnati, 2004

MA, Clinical Psychology (Neuropsychology Emphasis), University of Cincinnati, 2003

BS, Psychology, University of Utah, 2000

BA, Behavioral & Health Sciences, University of Utah, 2000

Professional Experience

Founder & Director 2005 – present
Office of Methodological & Data Sciences Utah State University

Assistant Professor of Psychology 2004 – present
Department of Psychology Utah State University

Biostatistician 2002 – 2004
Institute for Nursing Research University of Cincinnati

Psychometrist 2001 – 2003
Neuroscience Institute University of Cincinnati Medical Center

Research Assistant, Behavioral Neuroscience Laboratory 2000 – 2004
Departments of Psychology & Neurology University of Cincinnati
Supervisor: Bruce Schefft, PhD

Research Assistant, Movement Disorders Laboratory 2000
Departments of Psychology & Neurology University of Utah
Supervisor: Vincent Filoteo, PhD

Research Assistant, Cognitive Neuroscience Laboratory Department of Psychology Supervisor: Frances Friedrich, PhD	1999 – 2000 University of Utah
Research Assistant, Clinical Neuroscience & fMRI Laboratory Department of Neurosurgery Supervisor: Robert Burr, PhD	1999 – 2000 University of Utah
Research Assistant, Biopsychosocial Sequelae of Chemotherapy Treatment Department of Oncology Supervisor: Anna Schwartz, PhD	1997 – 1998 University of Utah

Peer-Reviewed Publications (*Student)

Public/Community Health & Social Epidemiology

1. Dansie E*, **Fargo JD**. Individual and community predictors of fear of criminal victimization: Results from a national sample of urban US citizens. Will submit to *Crime Prevention & Community Safety*.
2. **Fargo JD**, Sommers MS, Lyons M. Role of sleep deficit in the relationship between problematic alcohol use and risky driving behavior. Will submit to *Prevention Science*.
3. **Fargo JD**, Sommers MS, Lyons M. Application of finite mixture modeling to empirically validate thresholds for participant inclusion: Results from a randomized controlled trial of an intervention to prevent problematic alcohol use and risky driving behavior. Will submit to *Prevention Science*.
4. **Fargo JD**, Voge N*, Bohn CM.* An empirical taxonomy of incarcerated male sexual offenders using finite mixture modeling: Child and adolescent victims. Will submit to *Violence & Victims*.
5. Osterman R*, Sommers MS, Ribak J*, Bohn CM*, **Fargo JD**. Screening for hazardous/harmful drinking and depressive symptoms in an at-risk emergency department population. *Journal of Addictions Nursing*. Submitted 2008, June.
6. Sommers MS, **Fargo JD**, Baker RB, Fisher BM, Buschur C, Zink TM. Skin color variation as a source of health disparity in the forensic sexual assault examination. *Journal of Forensic Nursing*. Submitted 2008, June.
7. Volinn E, **Fargo JD**, Fine PG. Treatment of noncancer pain with opioids and the outcome of chronic disability. *Pain*. Resubmitted 2008, June.
8. Zink TM, **Fargo JD**, Baker RB, Buschur C, Fisher BS, Sommers MS. Comparison of methods for identifying ano-genital injury. *Academic Emergency Medicine*. Resubmitted 2008, July.
9. Volinn E, **Fargo JD**, Fine PG. Opioid analgesics for uncomplicated low back pain in the worker's compensation population: Unintended consequences of dosage escalation. *Journal of Pain & Symptom Management*. Submitted 2007, June.
10. **Fargo JD**. Pathways to adult sexual revictimization: Direct and indirect behavioral risk factors across the lifespan. *Journal of Interpersonal Violence*. Accepted 2008, Apr.

11. **Fargo JD**. An empirical taxonomy of incarcerated male sexual offenders using finite mixture modeling: Adult victims. In Bourgon G, Hanson RK, Pozzulo, JD, Morton Bourgon KE, Tanasichuk CL, Eds. *Proceedings of the 2007 North American Correctional & Criminal Justice Psychology Conference*. Ottawa: Public Safety Canada. Accepted 2007, Dec.
12. Sommers MS, Zink TM, **Fargo JD**, Baker RB, Buschur C, Shambley-Ebron DZ, Fisher BS. Forensic rape examination and genital injury: Is skin color a source of health disparity? *American Journal of Emergency Medicine*. Accepted 2007, Nov.
13. Mangold FT, Sommers MS, Kent GP, **Fargo JD**. Harmful drinking, depression, and conduct disorder among females involved in alcohol-related motor vehicle crashes: A secondary analysis. *Journal of Addictions Nursing*. Accepted 2007, Sept.
14. Jump V, **Fargo JD**, Akers J. Impact of massage therapy on health outcomes among orphaned infants in Ecuador: Results of a randomized controlled trial. *Journal of Family & Community Health*. 2006;29:314-319.
15. Sommers MS, Dyehouse JM, Howe SR, Fleming MF, **Fargo JD**, Schafer JC. Effectiveness of brief interventions following alcohol-related vehicular injury: A randomized controlled trial. *Journal of Trauma*. 2006;61:523-533.
16. Sommers MS, Zink T, Baker RB, **Fargo JD**, Porter J, Weybright D, Schafer JC. The effects of age and ethnicity on physical injury from rape. *Journal of Obstetric, Gynecologic, & Neonatal Nursing*. 2006;35:199-207.
17. Wagner DR, **Fargo JD**, Parker D, Tatsugawa K, Young TA. Variables contributing to acute mountain sickness on the summit of Mt. Whitney. *Wilderness & Environmental Medicine*. 2006;17:221-228.
18. Sommers MS, Howe SR, Dyehouse JM, Fleming M, **Fargo JD**, Schafer JC. Patterns of drinking four weeks prior to an alcohol-related vehicular crash. *Traffic Injury Prevention*. 2005;6:110-116.
19. Schwartz AL, Meek PM, Nail LM, **Fargo JD**, Lundquist M, Donofrio M, Grainger M, Throckmorton T, Mateo M. Measurement of fatigue: Determining minimally important clinical differences. *Journal of Clinical Epidemiology*. 2002;55:239-244.

Psychology: Cognitive, Health, & Neuro

20. Gillam SL, **Fargo JD**, St. Clair K. Comprehension of expository text: Insights gained from think-aloud data. *American Journal of Speech-Language Pathology*. Accepted 2008, May.
21. **Fargo JD**, Schefft BK, Szaflarski JP, Howe SR, Privitera MD, Yeh HS. Accuracy of clinical neuropsychological versus statistical prediction in the classification of seizure types. *The Clinical Neuropsychologist*. 2008;22:181-194.
22. Schefft BK, Dulay MF, **Fargo JD**. Use of self-generation memory encoding strategies to improve recognition and recall in patients with traumatic brain injury. *Applied Neuropsychology*. 2008;16:61-68.
23. Schefft BK, Dulay MF, **Fargo JD**, Szaflarski JP, Yeh HS, Privitera MD. The use of self-generation procedures facilitates verbal memory in individuals with seizure disorders. *Epilepsy & Behavior*. 2008;12:1-15.

24. **Fargo JD**, Schefft BK, Kent GP, Szaflarski JP, Privitera MD, Yeh HS. The prevalence of seizure types among individuals referred for phase I neuropsychological assessment: Demographic and neuropsychological characteristics. *The Clinical Neuropsychologist*. 2007;21:442-455. ***Selected as a continuing education focus article by the American Academy of Clinical Neuropsychology.
25. **Fargo JD**, Schefft BK, Dulay MF, Privitera MD, Yeh HS. Confrontation naming in individuals with temporal lobe epilepsy: A quantitative analysis of paraphasic error subtypes. *Neuropsychology*. 2005;19:603-611.
26. Dulay MF, Schefft BK, **Fargo JD**, Privitera MD, Yeh HS. Severity of depressive symptoms, hippocampal sclerosis, auditory memory, and side of seizure focus in temporal lobe epilepsy. *Epilepsy & Behavior*. 2004;5:522-531.
27. **Fargo JD**, Schefft BK, Szaflarski JP, Dulay MF, Testa SM, Privitera MD, Yeh HS. Accuracy of self-reported neuropsychological functioning in individuals with epileptic or psychogenic non-epileptic seizures. *Epilepsy & Behavior*. 2004;5:143-150.
28. Dulay MF, Schefft BK, Testa SM, **Fargo JD**, Privitera MD, Yeh HS. What does the Family Pictures subtest of the Wechsler Memory Scale-III measure? Insight gained from patients evaluated for epilepsy surgery. *The Clinical Neuropsychologist*. 2002;16:452-462.
29. Duncan DD, Whiting-Monson K, Kotter-Campbell J, **Fargo JD**, Nilsson DE. Incidence of nonverbal learning disability in a high school anger management class. In Singh NN, Ollendick TH, Singh AN, Eds. *Proceedings of the International Conference on Child and Adolescent Mental Health: Vol. 2. Child and Adolescent Disorders*. Oxford: Elsevier. 2002;439-447.

Educational Science

30. Johnson CC, **Fargo JD**, Kahle JB. Cumulative and residual impact of a systematic reform program on teacher change and student learning of science. *Journal of Science Teacher Education*. Submitted 2008, June.
31. Johnson CC, **Fargo JD**. Urban school reform through transformative professional development: Impact on teacher change and student learning of science. *Journal of Research in Science Teaching*. Submitted 2008, Feb.
32. Johnson CC, Kahle JB, **Fargo JD**. A study of the effect of sustained, whole school, professional development on student achievement in science. *Journal of Research in Science Teaching*. 2007;44:775-786.
33. Johnson CC, Kahle JB, **Fargo JD**. Effective teaching results in increased science achievement for all students. *Journal of Science Education*. 2007;91:371-383.

Peer-Reviewed Conference Presentations (*Student)

Public/Community Health & Social Epidemiology

1. Buschur C, Sommers MS, **Fargo JD**. Role of birth control methods in genital injury. Poster presentation at the annual meeting of the *International Association of Forensic Nurses*, Dallas, TX. 2008, Sept.

2. Sommers MS, **Fargo JD**, Lyons M, Bohn CM.* Screening in an urban emergency department for health compromising behaviors in women. Paper presentation at the annual meeting of the *International Council on Women's Health Issues Congress*, Gaborone, Botswana. 2008, July.
3. Sommers MS, **Fargo JD**, Lyons M, Bohn CM.* Problem drinking, cigarette smoking, and risky driving in an urban emergency department sample. Paper presentation at the annual meeting of the *Research Society on Alcoholism*, Washington, DC. 2008, June.
4. Sommers MS, Lyons M, **Fargo JD**, Ribak J. Screening and brief intervention for problem drinking and risky driving. Paper presentation at the annual meeting of the *Research Society on Alcoholism*, Washington, DC. 2008, June.
5. **Fargo JD**, Sommers MS. Role of sleep deficit in the relationship between problematic alcohol use and risky driving behavior. Poster presentation at the annual meeting of the *Society for Prevention Research*, San Francisco, CA. 2008, May.
6. Voge N*, **Fargo JD**. Offense-, offender-, and victim-related predictors of sexual victimization of children versus adolescents. Poster presentation at the annual *Utah State University Student Research Symposium*, Logan, UT. 2008, Apr.
7. Osterman R, Bohn CM*, **Fargo JD**, Sommers MS. Association between hazardous / harmful drinking and depressive symptoms in an emergency room population. Poster presentation at the annual conference of the *International Nurses Society on Addictions*, Arlington, VA. 2007, Oct.
8. Ribak J, Chapman H*, **Fargo JD**, Sommers MS. How short is too short? Comparing three forms of the AUDIT for use in the emergency department. Poster presentation at the annual conference of the *International Nurses Society on Addictions*, Arlington, VA. 2007, Oct.
9. **Fargo JD**. Risk factors for adult female sexual revictimization. Paper presentation at the annual conference on *International Family Violence and Child Victimization*, Durham, NH. 2007, July.
10. Sommers MS, **Fargo JD**, Ribak J, Osterman R, Lyons M. Sleep deficit in young adult problem drinkers and risky drivers. Paper presentation at the *Research Society on Alcoholism*, Chicago, IL. 2007, July.
11. **Fargo JD**. Are types of rape empirically distinguishable? An application of finite mixture modeling. Paper presentation at the *North American Correctional and Criminal Justice Psychology Conference*, Ottawa, ON, Canada. 2007, June.
12. Bohn CM*, Findley M*, **Fargo JD**. Relationship between emotional and physical threats and fear of victimization in middle and high school students: Data from a national sample. Poster presentation at the annual *Utah State University Student Research Symposium*, Logan, UT. 2007, Apr.
13. D'zatko K*, Cullum JL*, **Fargo JD**. Parenting typologies in mothers sexually abused as children. Poster presentation at the annual *Utah State University Student Research Symposium*, Logan, UT. 2007, Apr. ***Awarded 3rd place in graduate student competition.
14. Winstead PC*, **Fargo JD**. Relationships among offender characteristics and age of sexual victimization: Results from a national sample of incarcerated offenders. Poster presentation at the annual *Utah State University Student Research Symposium*, Logan, UT. 2007, Apr.

15. Zink TM, Sommers MS, **Fargo JD**. Sexual assault and injury in older black and white women. Paper presentation at the *National Conference on Health Care and Domestic Violence*, San Francisco, CA. 2007, Mar.
16. Sommers MS, **Fargo JD**, Lyons M, Howe SR. Prevalence of risky driving behaviors in young adults. Poster presentation at the annual meeting of the *Society of Critical Care Medicine*, Orlando, FL. *Critical Care Medicine*, abstract, S34, A131. 2007, Feb.
17. **Fargo JD**, Schefft BK. Of one or many types? A latent class analysis of psychogenic non-epileptic seizures. Poster presentation at the international meeting of the *Psychometric Society*, Montréal, QC, Canada. 2006, June.
18. Sommers MS, **Fargo JD**, Lyons M. Risk-taking and injury: Association of problem drinking, risky driving, and sleep deficit. Poster presentation at the annual meeting of the *Research Society on Alcoholism*, Baltimore, MD. *Alcoholism: Clinical and Experimental Research*, abstract, S30, 198A. 2006, June.
19. Wagner DR, **Fargo JD**, Parker D, Tatsugawa K, Young TA. Variables contributing to acute mountain sickness on the summit of Mt. Whitney. Poster presentation at the annual meeting of the *American College of Sports Medicine*, Denver, CO. 2006, May.
20. Baker RB, Sommers MS, **Fargo JD**. Variations in skin, mucous membrane, and vaginal wall color. Poster presentation at the annual meeting of the *Midwest Nursing Research Society Conference*, Milwaukee, WI. 2006, Apr.
21. Baker RB, Sommers MS, **Fargo JD**. Visualizing skin injury in women: Measurement strategies to quantify skin color. Poster presentation at the annual meeting of the *Midwest Nursing Research Society Conference*, Milwaukee, WI. 2006, Apr.
22. Sommers MS, Lyons M, Howe SR, Schafer JC, **Fargo JD**. Problem drinking and risky driving in a vulnerable population. Paper presentation at the annual meeting of the *Midwest Nursing Research Society Conference*, Milwaukee, WI. 2006, Apr.
23. **Fargo JD**, Schafer JC, Sommers MS, Lyons M. Application of latent class analysis to determine screening item thresholds for participant inclusion/exclusion. Poster presentation at the conference for *New Directions in Psychological Measurement with Model-Based Approaches*, Atlanta, GA. 2006, Feb.
24. Sommers MS., Lyons M, **Fargo JD**, Howe SR, Gibler WB, Schafer JC. Epidemiology of problem driving and risky driving in the emergency department. Poster presentation at the annual meeting of the *Association for the Advancement of Automotive Medicine*, Boston, MA. 2005, Sept.
25. Sommers MS, Lyons M, **Fargo JD**, Howe SR, Gibler WB, Schafer JC. Problem driving and risky driving in emergency department patients: Preliminary data. Paper presentation at the annual meeting of the *Research Society on Alcoholism*, Santa Barbara, CA. *Alcoholism: Clinical and Experimental Research*, abstract, S29, 163A. 2005, June.
26. Sommers MS, Dyehouse JM, Howe SR, Fleming M, **Fargo JD**, Schafer JC. Brief alcohol intervention following alcohol-related crashes. Paper presentation at the annual meeting of the *National Injury Prevention and Control Conference*, Denver, CO. 2005, May.
27. Baker RB, Sommers MS, **Fargo JD**. Quantifying skin color from digital images: An innovative technique. Poster presentation at the annual meeting of the *Midwest Nursing Research Society Conference*, Cincinnati, OH. 2005, Apr.

28. Baker RB, **Fargo JD**, Sommers MS. Injuries following consensual sexual intercourse among white college-aged women. Paper presentation at the *Midwest Nursing Research Society Conference*, Cincinnati, OH. 2005, Apr.
29. Sommers MS, Howe SR, Dyehouse J, **Fargo JD**, Schafer JC. What is the pattern of drinking in non-alcohol dependents prior to alcohol-related vehicular injuries? Paper presentation at the annual meeting of the *Midwest Nursing Research Society Conference*, Cincinnati, OH. 2005, Apr.
30. Sommers MS, Schafer JC, Zink T, Baker RB, **Fargo JD**. A descriptive study of anogenital injury after consensual sex. Paper presentation at the annual meeting of the *Midwest Nursing Research Society Conference*, Cincinnati, OH. 2005, Apr.
31. Baker RB, **Fargo JD**, Sommers MS. Sexual assault among adolescent females. Poster presentation at the *National Congress on the State of the Science*, Washington, DC. 2004, Oct.
32. Auer CE, Steichen JJ, **Fargo JD**. Breast and bottle feeding in the NICU. Poster presentation at the annual meeting of the *International Lactation Consultants Association*, Scottsdale, AZ. 2004, July.
33. Sommers MS, Howe SR, Dyehouse J, **Fargo JD**, Schafer JC. Drinking during the two weeks prior to alcohol-related crashes. Poster presentation at the annual *Research Society on Alcoholism Scientific Meeting*, Vancouver, BC, Canada. 2004, July.
34. Beekman R, **Fargo JD**, Sommers MS. Descriptive study of adolescent sexual assault victims. Poster presentation at the annual meeting of the *World Conference on Injury Prevention and Safety Promotion*, Vienna, Austria. 2004, June.
35. Sommers MS, Zink TM, Schafer JC, **Fargo JD**, Beekman R. Physical injury from sexual assault in older women: A racial comparison from a regional data base. Paper presentation at the annual meeting of the *World Conference on Injury Prevention and Safety Promotion*, Vienna, Austria. 2004, June.
36. Auer CE, Steichen JJ, **Fargo JD**. The relationship between first oral feeding method (breast vs. bottle), and pre- and post-discharge breastfeeding in the NICU. Poster presentation at the annual meeting of the *Pediatric Academic Society*, San Francisco, CA. 2004, May.
37. Beekman R, Sommers MS, **Fargo JD**. Adolescent victims of sexual assault. Poster presentation at the annual meeting of the *Midwest Nursing Research Society*, St. Louis, MO. 2004, Mar.
38. Sommers MS, Zink T, Beekman R, **Fargo JD**, Schafer JC. Sexual assault and injury in older black and white women. Paper presentation at the annual meeting of the *Midwest Nursing Research Society*, St. Louis, MO. 2004, Mar.
39. Schwartz AL, Meek PM, Nail LM, Berendts C, Grainger M, Throckmorton T, Mateo, M, **Fargo JD**, Lundquist M. Fatigue patterns of chemotherapy naive, experienced, and recurrent patients. Poster presentation at the annual meeting of the *American Society of Clinical Oncology*, New Orleans, LA. 2000, May.

Psychology: Cognitive, Health, & Neuro

40. Dulay MF, Schefft BK, **Fargo JD**, Szafarski JP, Yeh HS, Privitera MD. Assessment of the effectiveness of a self-generation compensatory strategy to improve the retention of new

information in individuals with medically intractable seizures. Paper presentation at the annual meeting of the *American Epilepsy Society*, San Diego, CA. 2006, Dec.

41. **Fargo JD**, Schefft BK, Schafer JC. Graphical methods for evaluating accuracy of continuous, self-report data: Examples from neuropsychology. Poster presentation at the annual meeting of the *American Psychological Society*, Los Angeles, CA. 2005, May.
42. Dulay MD, **Fargo JD**, Schefft BK. Contribution of frontal lobe functions to episodic memory in medically intractable epilepsy. Poster presentation at the winter meeting of the *International Neuropsychological Society*, St. Louis, MO. 2005, Feb.
43. **Fargo JD**, Schefft BK. Clinical neuropsychological versus statistical prediction of seizure organicity. Paper presentation at the winter meeting of the *International Neuropsychological Society*, St. Louis, MO. 2005, Feb.
44. Dulay MF, Szaflarski JP, **Fargo JD**, Testa SM, Schefft BK. Health-related quality of life and neuropsychological test performance in patients with pharmaco-resistant complex partial seizures and generalized epilepsy. Poster presentation at the annual meeting of the *American Academy of Neurology*, Honolulu, HI. 2003, Feb.
45. **Fargo JD**, Szaflarski JP, Dulay MF, Testa SM, Schefft BK. Relationship between subjective cognitive complaints and objective neuropsychological functioning in patients with epileptic or psychogenic non-epileptic seizures. Poster presentation at the annual meeting of the *American Academy of Neurology*, Honolulu, HI. 2003, Feb.
46. Testa SM, Szaflarski JP, **Fargo JD**, Dulay MF, Schefft BK. Psychological correlates of health-related quality of life in epileptic and non-epileptic seizures. Poster presentation at the annual meeting of the *American Academy of Neurology*, Honolulu, HI. 2003, Feb.
47. Dulay MF, **Fargo JD**, Testa SM, Lebowitz BK, Westbeld MK, Schefft BK. Type and frequency of naming errors predicts confrontation naming test performance in patients with temporal lobe epilepsy. Poster presentation at the winter meeting of the *International Neuropsychological Society*, Honolulu, HI. 2003, Feb.
48. **Fargo JD**, Dulay MF, Westbeld MK, Schefft BK. An assessment of semantic and phonemic confrontation naming errors in patients with temporal lobe epilepsy. Poster presentation at the annual meeting of the *National Academy of Neuropsychology*, Miami, FL. 2002, Oct.
49. Dulay MF, Testa SM, **Fargo JD**, Schefft BK. Anxious arousal moderates neuropsychological test performance in patients with epilepsy. Poster presentation at the annual meeting of the *American Psychological Association*, Chicago, IL. 2002, Aug.
50. Davis JD, Filoteo JV, **Fargo JD**, Kesner RP. Object-location memory in Huntington's disease: Examination of encoding, retention, and recognition processes. Poster presentation at the winter meeting of the *International Neuropsychological Society*, Toronto, ON, Canada. 2002, Feb.
51. Dulay MF, **Fargo JD**, Schefft BK. Impact of symptoms of depression and anxiety on verbal memory in epilepsy and non-epileptic seizures. Paper presentation at the winter meeting of the *International Neuropsychological Society*, Toronto, ON, Canada. 2002, Feb.
52. Dulay MF, Testa SM, **Fargo JD**, Eshleman M, Schefft BK. The Weschler Memory Scales-III Family Pictures subtest and temporal lobe epilepsy. Poster presentation at the annual meeting of the *American Psychological Association*, San Francisco, CA. 2001, Aug.

53. Friedrich FJ, Swallow KM, **Fargo JD**. Reducing costs of switching between well-learned response sets. Poster presentation at the annual meeting of the *Psychonomic Society*, New Orleans, LA. 2000, Nov.
54. Duncan DD, **Fargo JD**, Whiting K, Kotter-Campbell J, Nilsson DE. Incidence of nonverbal learning disability in a high school anger management program. Paper presentation at the *International Conference on Child and Adolescent Mental Health*, Kuala Lumpur, Malaysia. 2000, June.
55. **Fargo JD**, Friedrich FJ, Swallow KM. The role of the anterior attention network in switching attention between well-learned response sets. Poster presentation at the annual meeting of the *Cognitive Neuroscience Society*, San Francisco, CA. 2000, Apr.
56. Burr RB, Davis JD, Rilling L, **Fargo JD**, Dean AC, Matsuo F, Heilbrun P, Gross R. Psychological profiles in the epileptic population using the Personality Assessment Inventory. Poster presentation at the annual meeting of the *American Epilepsy Society*, Orlando, FL. 1999, Dec.

Educational Science

57. Johnson CC, **Fargo JD**. Urban school reform enabled by transformable professional development: Impact of teacher change and student learning of science. Poster presentation at the annual meeting of the *Hawaii International Conference on Education*, Honolulu, HI. 2008, Jan.
58. Johnson CC, Kahle JB, **Fargo JD**. Does change from professional development programs last? A longitudinal study of sustained and increased science teacher improvement three years later. Poster presentation at the annual meeting of the *Hawaii International Conference on Education*, Honolulu, HI. 2008, Jan.
59. Johnson CC, **Fargo JD**. Utah's improving teacher quality initiative: School-based reform in science education. Poster presentation at the annual *Institute of Education Science Research Conference*, Washington, DC. 2007, June.
60. Johnson CC, Kahle JB, **Fargo JD**. A study of sustained, whole-school, professional development on student achievement in science. Paper presentation at the *National Association of Research in Science Teaching Conference*, New Orleans, LA. 2007, Apr.
61. Zhang D*, **Fargo JD**. Application of hierarchical linear modeling in the evaluation of an integrated experiential learning program in China. Paper presentation at the annual meeting of the *American Evaluation Association*, Portland, OR. 2006, Oct.
62. Johnson CJ, Jennings V, **Fargo JD**. Exploring culturally relevant professional development for middle school science teachers to increase learning for all students. Poster presentation at the annual meeting of the *Hawaii International Conference on Education*, Honolulu, HI. 2006, Jan.

Other

63. Youngberg E*, Olsen D, **Fargo JD**. Examining technology acceptance variables: Professionally-autonomous end users' perceptions of an enterprise component. Paper presentation at the annual *International Business & Economics Research Conference*, Las Vegas, NV. 2006, Oct.

Non-Peer Reviewed Colloquia/Invited Presentations (Student*)

1. **Fargo JD.** Quantitative research in the social and educational sciences. Guest lecturer for seminar in Doctoral Research, Utah State University, UT. 2007, Nov.
2. **Fargo, JD.** Adult sexual victimization: Victims and perpetrators. Guest lecturer for course in Victimology at the University of Pennsylvania, Philadelphia, PA. 2007, Oct.
3. **Fargo JD.** Risk factors for adult female sexual revictimization. Presented to the Center for Health Disparities Research, University of Pennsylvania, Philadelphia, PA. 2007, July.
4. **Fargo JD, Schafer JC.** Statistics for evaluating medical tests. Presented to the Institute for Nursing Research, College of Nursing, University of Cincinnati, Cincinnati, OH. 2006, Jan.
5. **Fargo JD, Tueller S*, D'zatko K.*** Introduction to software tools for research workers. Presented to the College of Education & Human Services, Utah State University, Logan, UT. 2005, Oct.
6. Schafer JC, **Fargo JD.** Everything you wanted to know about the relative risk, but were afraid to ask. Presented to the Institute for Nursing Research, College of Nursing, University of Cincinnati, Cincinnati, OH. 2005, Oct.
7. **Fargo JD.** An empirical classification of paraphasic error subtypes among individuals with seizures. Presented to the Department of Psychology, College of Education & Human Services, Logan, UT. 2004, Feb.

Grants & Contracts – Funded

Public/Community Health & Social Epidemiology

1. Title: Injury from sexual assault: Addressing health disparity (2007 – 2011)
Agency: National Institutes of Nursing Research & Mental Health (2R01NR005352-04A1)
Role: Co-Principal Investigator; Principal Investigator: MS Sommers, PhD
Funding: \$2,253,660 (20-30% FTE)
Purpose: Investigation of new methods for quantifying injury following and predicting sexual assault.
2. Title: Characteristics of workers off work with back pain: Safety implications (2005 – 2007)
Agency: Utah State Labor Commission
Role: Consulting Statistician; Principal Investigator: E Volinn, PhD
Funding: \$12,500 (2% FTE)
Purpose: Case-control study comparing sociological, behavioral, and health outcomes in workers with back pain claims who are not prescribed opioid analgesics with comparable workers who are prescribed opioid analgesics.
3. Title: Intervention for risky behaviors seen in the emergency department (2004 – 2007)
Agency: Centers for Disease Control & Prevention (R49/CCR-523225)
Role: Contracting Statistician; Principal Investigator: MS Sommers, PhD
Funding: \$48,000 (10% FTE)
Purpose: Randomized controlled trial of an intervention to prevent alcohol-related motor-vehicle crashes in individuals with risky driving behaviors.
4. Title: Sensitivity of the colposcopy exam after sexual assault (2004 – 2006)
Agency: National Institute of Nursing Research (R01NR05352)

Role: Contracting Statistician; Principal Investigator: MS Sommers, PhD
Funding: \$10,000 (5% FTE)
Purpose: Evaluation and development of methods for quantifying injury related to sexual assault.

Psychology: Cognitive, Health, & Neuro

5. Title: Alternative assessment of language and literacy in children with complex communication needs (2008)
Agency: Utah State University, Community University Research Initiative
Role: Consulting Statistician; Principal Investigators: BE Foley, PhD & SL Gillam, PhD
Funding: \$1,500 (1% FTE)
Purpose: To evaluate the psychometric properties of a new series of literacy and memory measures developed to assess children who demonstrate atypical communication ability.
6. Title: Differential prediction and classification of seizure organicity: A comparison of statistical clinical taxometric methodologies (2005 – 2006)
Agency: Utah State University, New Faculty Research Grant
Role: Principal Investigator
Funding: \$11,800 (2% FTE)
Purpose: To evaluate the behavior and accuracy of various statistical classification methodologies in correctly predicting seizure organicity from multi-modal measures of neurobehavioral functioning.
7. Title: Sex differences in language functioning following anterior temporal lobectomy (2002)
Agency: University of Cincinnati, University Research Council Summer Fellowship
Role: Principal Investigator
Funding: \$1,700
Purpose: To understand differential change in language processes following anterior temporal lobectomy as a function of sex.
8. Title: Language function before and after anterior temporal lobectomy (2001)
Agency: Epilepsy Foundation of America, Behavioral Sciences Summer Fellowship
Role: Principal Investigator
Funding: \$3,000
Purpose: Investigation of language functioning following anterior temporal lobectomy.
9. Title: Role of the anterior attention network in switching attention between well-learned response sets (2000)
Agency: University of Utah, Undergraduate Research Opportunities Program
Role: Principal Investigator
Funding: \$2,900
Purpose: Investigation of the role of attentional processes in the development of automaticity in cognitive problem solving tasks.

Educational Science

10. Title: Instructional Simulation Author and Play System (2007– 2008)
Agency: Defense Advanced Research Projects Agency (DARPA) SBIR Grant
Role: Consulting Statistician; Principal Investigator: M Britton, MS
Funding: \$99,000 (2% FTE)

Purpose: To create an on-line physics simulation game development tool and the algorithms for quantifying learning from individual simulation games using temporal data mining methods.

11. Title: An intervention trial of the discovery model for science teachers (2005 – 2008)
Agency: Institute for Education Sciences, U.S. Department of Education
Role: Co-Principal Investigator, Statistician; Principal Investigator: CC Johnson, PhD
Funding: \$913,620 (20% FTE)
Purpose: A randomized controlled trial of an intervention designed to enhance teaching of science to ethnically diverse middle school students.
12. Title: Development of an evidence-based reading/writing teacher knowledge assessment system (2005 – 2008)
Agency: Institute for Education Sciences, U.S. Department of Education
Role: Co-Investigator, Statistician; Principal Investigators: DR Reutzell, PhD & JA Dole, PhD
Funding: \$926,811 (15% FTE)
Purpose: To develop a reliable and valid scale of elementary school teacher quality and knowledge of reading and writing instruction.

Other

13. Title: Development of the Office of Methodological & Data Sciences (2007 – 2008)
Agency: Utah State University Innovation Fund
Role: Principal Investigator
Funding: \$22,400 (5% FTE)
Purpose: To increase the scope and quality of methodological consultative services available to graduate students and faculty at USU.

Grants & Contracts - Under Review

1. Title: Screening for non-medical use of prescription opioids in the emergency department (2008 – 2011)
Agency: National Institute of Drug Abuse
Role: Co-Principal Investigator; Principal Investigator: MS Sommers, PhD
Funding: \$900,000 (20% FTE)
Purpose: To develop improved methods for screening for prescription opioid abuse. To conduct a randomized controlled trial of a brief intervention strategy to reduce prescription opioid abuse.

Instruction - Graduate Level

Instructor, Longitudinal Data Analysis (PSY 7650), Utah State University, 2005 – present
Instructor, Regression Analysis (PSY 7610), Utah State University, 2005 – present
Instructor, Analysis of Variance (PSY 6600), Utah State University, 2005 – present
TA, Regression Analysis (BE 788), University of Cincinnati College of Medicine, 2003
TA, Assessment of Intelligence (PSY 815), University of Cincinnati, 2002

Instruction - Undergraduate Level

Instructor, Advanced Statistical Methods (PSY 276), University of Cincinnati, 2004
Instructor, Intermediate Statistical Methods (PSY 275), University of Cincinnati, 2003
Instructor, Introductory Statistical Methods (PSY 274), University of Cincinnati, 2003
TA, Drugs & Behavior (PSY 362), University of Cincinnati, 2001
TA, Introduction to Psychology (PSY 102), University of Cincinnati, 2000
TA, Introduction to Psychology (PSY 1100), University of Utah, 1999 – 2000

Student Research Supervision

Master's Theses

1. Chad Bohn (chair, current), *Psychology*
2. Steve Williams (current), *Engineering & Technology Education*
3. Peter Winstead (chair, current), *Psychology*
4. Heather Chapman (chair, 2007), *Psychology*
5. Brad Mitchell (2006), *Health, Physical Education, & Recreation*
6. Stephen Tueller (2006), *Psychology*

Doctoral Dissertations

1. Paul Birch (current), *Psychology*
2. Lorilynn Brandt (current), *Education*
3. Gulfidan Can (current), *Instructional Technology*
4. Janet Carter (current), *Psychology*
5. Heather Chapman (chair, current), *Psychology*
6. Jodi Cullum (co-chair, current), *Psychology*
7. Jonathan Doti (current), *Psychology*
8. Greg Lewis (current), *Education*
9. Katie Reck (current), *Family, Child, & Human Development*
10. Margaret Young (current), *Education*
11. Daniel Hatch (2008), *Psychology*
12. Cindy Jones (2008), *Education*
13. Nathan Mentzer (2008), *Engineering & Technology Education*
14. Doug Walrath (2008), *Engineering & Technology Education*
15. Danhui Zhang (chair, 2008), *Psychology*
16. Lon Youngberg (2008), *Curriculum & Instruction*
17. Clint Eliason (2007), *Psychology*
18. Beckie Hermansen (2007), *Curriculum & Instruction*
19. Rachel Baker (2006), *College of Nursing, University of Cincinnati*

20. Laura Foley (2006), *Education*
21. Dan Peterson (2006), *Curriculum & Instruction*
22. Elaine Youngberg (2006), *Business Information Systems*
23. Tracey Wheeler (2006), *Curriculum & Instruction*

Funded Graduate Research Assistants

1. Elizabeth Dansie (2008 – present, 10 hrs/wk), *Psychology*
2. Heather Chapman (2007 – present, 10 hrs/wk), *Psychology*
3. Danhui Zhang (2007 – 2008, 10 hrs/wk), *Psychology*
4. Peter Winstead (2006 – 2007, 20 hrs/wk), *Psychology*
5. Chad Bohn (2006 – present, 10-20 hrs/wk), *Psychology*
6. Kim D'zatko (2005 – 2007, 10 hrs/wk), *Psychology*
7. Stephen Tueller (2004 – 2005, 10-30 hrs/wk), *Psychology*

Undergraduate Research Assistants

1. Jamie Justice (2008 – present, 5 hrs/wk), *Psychology*
2. Christopher Knowlton (2006, 5 hrs/wk), *Psychology*
3. Matt Findley (2005, 3 hrs/wk; 2006 – 2007, 20 hrs/wk (funded)), *Psychology*
4. Chad Bohn (2005 – 2006, 10 hrs/wk), *Psychology*
5. Lisa Broadbent (2004, 3 hrs/wk), *Psychology*
6. Ricky Wheatley (2004, 3 hrs/wk), *Psychology*

National Service

Conference Abstract Reviewer: Society for Prevention Research (2007)

Editorial Board: *Utah's health: An annual review*. SLC: University of Utah Press. 1999.

Book Reviewer: Sage, Wadsworth/Thomson

Ad Hoc Article Reviewer: *Epilepsia*; *Epilepsy & Behavior*; *Journal of Interpersonal Violence*; *Journal of Personality Assessment*; *Journal of Psychosomatic Research*; *Program Evaluation & Planning*; *Psychological Assessment*; *The Clinical Neuropsychologist*

University Service

Discussant, 3rd Year Tenure Review Workshop, Utah State University	2007
Director, Office of Methodological & Data Sciences, Utah State University	2005 – present
Member, Faculty Evaluation Committee, Utah State University	2005 – present

College Service

Member, Methodology & Statistics Committee, Utah State University	2004 – present
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Departmental Service

Member, Faculty Search Committee, Utah State University	2006 – 2007
Member, Faculty Search Committee, Utah State University	2005 – 2006
Member, Research & Evaluation Methodology Emphasis, Utah State Univ.	2004 – present
Attendee, Monthly Psychology Faculty Meetings, Utah State University	2004 – present

Awards & Fellowships

Fellow, Quantitative Analysis of Crime Data	2006
Inter-University Consortium for Political & Social Research	University of Michigan
Awardee, University Graduate Student Scholarship	2000 – 2004
Department of Psychology	University of Cincinnati
Awardee, Service & Community Leadership Scholarship	1998
Lowell Bennion Center for Community Service	University of Utah

Professional Memberships & Affiliations

Member, Society for Prevention Research	2007 – present
Affiliate, Division 5: Evaluation, Measurement, & Statistics	2005 – present
American Psychological Association	
Member, Psychometric Society	2004 – present
Member, American Statistical Association	2003 – present

Continuing Education

Latent variable survival analysis	2008, May
Kathryn Masyn, PhD	University of California at Davis
Hanno Petras, PhD	University of Maryland
Latent class analysis	2008, Jan.
Jay Magidson, PhD	Statistical Innovations, Inc.
Bayesian statistics	2006, Nov.
William Bolstad, PhD	University of Waikato
Mixed-effects models	2006, May
Andrzej Galecki, MD, PhD	University of Michigan
Multilevel models	2006, May
Steve Raudenbush, PhD	University of Michigan
Tony Bryk, PhD	Stanford University
Data mining: Supervised techniques	2006, Mar.
Anthony Babinec, PhD	President of AB Analytics
Advanced structural equation modeling	2006, Jan.
Randall Schumacker, PhD	University of North Texas
Latent variable growth modeling	2005, May
Bengt Muthén, PhD	University of California at Los Angeles
Program evaluation	2004, Aug.
George Julnes, PhD	Utah State University

Professional grant writing
The Grant Institute

2004, Aug.
University of Utah

Applied logistic regression
Stanley Lemeshow, PhD

2004, Mar.
Ohio State University

Computer Software Skills

Expert: R/S+, SPSS, NCSS, MedCalc, Mplus, HLM, LatentGold, StatXact, LogXact, Weka, EquivTest, nQuery, PASS, Solas, SigmaPlot, Epi Info, DMBS, L^AT_EX, BibDesk, MS Office (Excel, Access, Word, PowerPoint), Adobe

Intermediate: SAS, Stata, EQS, LISREL

Basic: C/C++

Foreign Languages

Fluent in French

References

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