

Peter Wludyka

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Titles / Positions

- Associate Professor of Statistics, University of North Florida
- Director, UNF Center for Research and Consulting in Statistics
- Biostatistics Consultant to the Office of the Dean, University of Florida Health Sciences Center, Jacksonville
- Courtesy Clinical Associate Professor, University of Florida College of Medicine, Jacksonville Florida

Professional Activities

Teaching: Subsequent to receiving my Ph.D. degree in 1994 I came to the UNF Department of Mathematics and Statistics. I was promoted to Associate Professor in 2001 and tenured in 2002. I have taught undergraduate and graduate courses in statistics. At the graduate and undergraduate level I have taught Design of Experiments and Statistical Quality Control. In addition, at the graduate level, I have taught Statistical Computing (Computer Intensive Methods in Statistics) and Statistical Consulting; and at the undergraduate level Probability and Statistics, Statistical Methods I and II, Engineering Statistics, and Business Statistics. I have also taught a masters level graduate course for MPH students. Prior to completing my Ph. D., I was an Assistant Professor of Management Science at the University of Alabama in Birmingham for two years, a Visiting Assistant Professor of Management Information Systems at the College of Charleston for one year, and taught Computer Science for two years at the College of Charleston.

At UNF I have directed three completed MS theses. Students of mine have presented papers at several meetings and three papers co-authored by students of mine have appeared in refereed journals.

Director, Center for Research and Consulting in Statistics (CRCS): I have served as CRCS director since December 1997. The CRCS provides consulting services to private businesses, government agencies, and not-for-profits; provides statistical support to UNF researchers; seeks out and engages in funded research. As director, I organize and plan CRCS activities; acquire and supervise staff; develop new clients, partnerships and other sources of revenue; and provide statistical expertise to UNF researchers and clients. Since I became CRCS director the Center has gone from one funded project for the previous year to three or four per year. The projects below illustrate the type of work being done by CRCS. See the section of this vita identifying grant activity or visit <http://www.unf.edu/coas/math-stat/CRCS> for more information about CRCS.

- The CRCS has provided statistical support to the UNF Tobacco Evaluation Project (Tobacco Pilot Program) since its inception in January 1998. The Tobacco Evaluation Project has so far been funded at over \$450,000.
- The CRCS is responsible for the statistical component of the Brevard County Florida DUI Intervention Project. The impact of small, highly frequency DUI (and drug) checkpoints on alcohol related crashes/fatalities is being investigated. The impact on crime in areas adjacent to the checkpoints is also being investigated.

Biostatistical Consulting and Collaboration: Since January 2003 I have been Biostatistical Consultant to the Office of the Dean. I am presently Courtesy Clinical Associate Professor in the College of Medicine at the University of Florida Health Sciences Center, Jacksonville, FL. In addition to delivering a series of biostatistics lectures each semester and holding office hours there two days per week, I support

research activities of faculty, fellows, and other researchers. This also offers opportunities to engage in additional collaborative, externally funded research.

Research: My current areas of interest are methodological research in applied statistics, including statistical process control and design of experiments; data analysis and data communication/visualization; health care policy, evaluation, assessment and analysis, as well as collaborative medical research. Refereed journals which have published my papers include: *Technometrics, Journal of Quality Technology, Journal of Applied Statistics, American Journal of Mathematical and Management Science, Journal of Statistical Computation and Simulation, Health Education and Behavior, and Communications in Statistics.* I am co-author of a book that was published summer 2005 as part of the *ASA-SIAM Series in Statistics and Applied Probability* To find out more about this book go to analysisofmeans.com which is the website created by Karen Copeland so that we can be a nexus of research in Analysis of Means (ANOM). .

Externally Funded Research: : I have been principal or co-principal investigator on completed grants totaling more that \$500,000 since 1996 and have recently completed \$180,000 multi-year grant from the National Cancer Institute for a project with Vanderbilt University; project team member on Florida Tobacco Pilot Program grants totaling in excess of \$450,000 since 1998.

Publications

Scholarly Books

Nelson, P. R., **Wludyka, P. S.**, and Copeland, K., *The Analysis of Means: A Graphical Method for Comparing Means, Rates, and Proportions, ASA-SIAM Series in Statistics and Applied Probability 18*, August, 2005

Methodological Research in Statistics Appearing in Referred Journals or Refereed Proceedings*

1. **Wludyka, P. S.** and Sa, P., "Robust *I*-Sample Analysis of Means Type Randomization Tests for Variances for Unbalanced Designs," *Journal of Statistical Computation and Simulation*, 74, October 2004, pp 701-726.
2. **Wludyka, P. S.** and Jacobs, S. L., "Runs Rules and P-Charts for Binomial Multistream Processes," *Communications in Statistics: Simulation and Computation*, Volume 31, Issue 1, 2002, pp 97-142.
3. **Wludyka, P. S.**, and Jacobs, S.L., "Controlling Homogeneous Multistream Binomial Processes with a Chi-Squared Control Chart," *Proceeding of the 2002 Decision Sciences Institute*, San Diego, California, 2002, pp 2254-2263 [CD-ROM]*
4. **Wludyka, Peter S.**, Nelson, Peter R., and Silva, Peter R., "Power Curves for the Analysis of Means for Variances," *Journal of Quality Technology*, Vol. 33, No. 1, January 2001, pp 60-65.
5. Bernard, A. J., and **Wludyka, P. S.**, "Robust *I*-Sample Analysis of Means Type Randomization Tests for Variances," *Journal of Statistical Computation and Simulation*, Vol. 69, January 2001, pp 57-88.
6. **Wludyka, P. S.** and Nelson, P. R., "Two Nonparametric Analysis of Means Type Test for Variances," *Journal of Applied Statistics*, Vol. 26, No. 2, February 1999, pp 243-256.

7. **Wludyka, P. S.** and Nelson, P. R., "An Analysis of Means Type Test for Variances from Normal Populations," *Technometrics*, August, 1997, Vol. 39, No. 3, pp274-285. [This paper was one of two papers from *Technometrics* selected for presentation at the 1996 Fall Technical Conference sponsored by ASA and ASQ. This paper was co-winner of the Wilcoxon Prize for best practical application paper published in the journal *Technometrics* in 1997.]
8. **Wludyka, P. S.** and Nelson, P. R., "Analysis of Means Type Tests for Variances Using Jackknifing and Subsampling," *American Journal of Mathematical and Management Sciences*, June 1997, Vol. 17, Numbers 1&2, pp 31-60.
9. Worm, G. H., Fiskeaux, C.D. and **Wludyka, P. S.**, "A Computational Form for Finding the Integral Solutions to a System of Linear Equations," *Computers & Mathematics with Applications*, 1981, Vol. 7, No. 5, pp 405-406.

Collaborative Research in Medicine or Health Care Policy Appearing or Scheduled to Appear in Peer Reviewed Journals

1. Luis A Guzman, MD. Marco A Costa, MD, PhD. Dominick J Angiolillo, MD, PhD. Martin Zenni, MD. **Peter Wludyka, PhD**, Scott Silliman, MD, Theodore A Bass, MD, "A Systematic Review of Outcomes in Patients with Staged Carotid Artery Stenting and Coronary Artery Bypass Graft Surgery", *Stroke*, 2007, to appear.
2. Ochoa, Juan, and **Wludyka, Peter**, "Teaching Seizure Disorders: A Comparison between Traditional versus Interactive Web Based program," *Teaching and Learning in Medicine*, 2007, to appear.
3. Livingood, W., Woodhouse, L., and **Wludyka, P.**, "Implementation of Possession Laws and the Social Ecology of Tobacco Control," *Health, Education and Behavior*, 2007, to appear.
4. Abuelreish M, Subedar A, Chiu T, **Wludyka P**, and Rathore M, "Increase in invasive pneumococcal disease in children associated with shortage of heptavalent pneumococcal conjugate vaccine," *Clinical Pediatrics*, 2007 Jan;46(1):45-52.
5. Pavlovic C, Futamatsu H, Angiolillo DJ, Guzman LA, Wilke N, Siragusa D, **Wludyka P**, Percy R., Northrup M, Bass TA, Costa MA, "Quantitative contrast enhanced magnetic resonance imaging for the evaluation of peripheral arterial disease: a comparative study versus standard digital angiography", *International Journal of Cardiovascular Imaging*, 2006 Jul 27; [Epub ahead of print], 23:225-232.

6. Bellows CF, Alder A, **Wludyka P**, and Jaffe BM, "Modulation of macrophage nitric oxide production by prostaglandin D2," *Journal of Surgical Research*, 2006 May;132(1):92-7. Epub 2005 Nov 14.
7. Ramon Bautista and Peter **Wludyka**, "Factors Associated with Employment in Epilepsy Patients," *Epilepsy & Behavior*, 2006, to appear (2006 Nov 20; [Epub ahead of print]).
8. McCaskill, Quimby, Kirk, Jim; Zenni, Elisa; Chiu, Thomas; Barata, Dawn; **Wludyka, Peter**, "USMLE Step 1 Scores as a Significant Predictor of Future Board Passage in Pediatrics," *Ambulatory Pediatrics*, March-April 2007, 192-195.
9. Ramon Bautista and Peter **Wludyka**, "Prevalence And Factors Associated With Driving Among Epilepsy Patients," *Epilepsy & Behavior*, 2006 Dec; 9(4):625-31 [Epub 2006 Oct 6].
10. Ayesha Mirza, Peter **Wludyka**, Thomas Chiu, Mobeen Rathore, "Throat Culture is Necessary After Negative Rapid Antigen Detection Tests," *Clinical Pediatrics*, 2006, Vol 46, No. 3, April 2007, 241-246.
11. Renu Sharma, Mark L. Hudak,, Joseph J. Tepas III, **Peter S. Wludyka**,, William J. Marvin, James A. Bradshaw, Pam Pieper, "Impact of Gestational Age on the Clinical Presentation and Surgical Outcome of Necrotizing Enterocolitis", *Journal of Perinatology*, (2006) 26, 342-347.
12. Hussain, S., Gomez, M., **Wludyka, P.**, and Rathore, M., "Survival Times and Complications of Catheters Used for Outpatient Parenteral Antibiotic Therapy in Children", *Clinical Pediatrics*, Vol 46, April 2007, 247-251.
13. Rascon-Aguilar, I., Pamer, M., **Wludyka, P.**, Curry, J., Coultis, D., Lambiase, L., Nahman, S., and Vega, K., "Role of Gastroesophageal Reflux Symptoms in Exacerbations of Chronic Obstructive Pulmonary Disease", *Chest*, 2006 Oct; 130(4):1096-1101.
14. Pendleton, J., Costa, J., **Wludyka, P.**, Carvin, D., and Rosser, C., "Combination of Oral Tramadol and Acetaminophen and 1% Lidocaine-Induced Periprostatic Nerve Block for Pain Control During Transrectal Ultrasound-Guided Biopsy of the Prostate: A Prospective Randomized Controlled Trial.", *Journal of Urology*, October 2006.
15. Satoshi, A., Pendleton, J., **Wludyka, P**, Christopher, W., Leach, M, Curtis, P., and Rosser, C., "Prostate Cancer Screening and Detection in Inner-City and Underserved Men", *Journal of the National Medical Association*, Vol. 98, No. 4, April 2006.
16. Jeffrey Goldhagen, Radley Remo, Thomas Bryant, III, **Peter Wludyka**, Amy Dailey, David Wood, Graham Watts, and William Livingood, "The Health Status of Southern Children: A Neglected Regional Disparity", *Pediatrics*, Dec 2005; 116: e746 - e753.
17. David Coultas, MD, Jenn Frederick, BS, Bethany Barnett, MSPH, Gaumita Singh, BA, **Peter Wludyka**, "A Randomized Trial of Two Types of Nurse-Assisted Home Care for Patients with COPD," *Chest*, 128/4/pp 2017-2024, October 2005.
18. Sharma, R., Tepas III J J., Hudak M. L., **Wludyka P. S.**, Mollitt D. L., Garrison R. D., Bradshaw J.A., Sharma M. , , "Portal venous gas and surgical outcome of neonatal necrotizing enterocolitis", *Journal of Pediatric Surgery*. 40: pp 371-376, February 2005. [Winner of the Beals Award from the Duval County Medical Society in clinical observation category 2006]

19. Sharma R., Tepas, J. J. III, Mollitt, D. L., Pieper, P., and **Wludyka P.**, "Surgical Management of Bowel Perforations and Outcome in Very Low-birth-weight Infants ($\leq 1,200$ g)," *Journal of Pediatric Surgery*, Vol. 39, No. 2, February 2004, pp 190-194.
20. Livingood, W., Woodhouse, L., Sayre, J., and **Wludyka, P.**, "Assessing the Impact of Tobacco Possession Laws on Youth Behaviors, Attitudes and Perceptions," *Health, Education and Behavior*, Volume 28, No. 6, December 2001, pp 733-748.
21. Rudoltz, M. S., Perkins, R. S., Luthmann, R. W., Fracke, T.D., Green, T.M., Moye, L., **Wludyka, P.**, Choi, Y.K., Ackerman, S.N., "High-dose-rate Brachytherapy for Primary Carcinomas of the Oral Cavity and Oropharynx,," *Laryngoscope.*, December 1999, 109(12), pp 1967-73.

Other Scholarly Work in Print

Wludyka, P., Irion, S., Taylor, L., Bullock, D., and Ogilvie, D., "Power of ANOM for Binomial Data", 2005 ASA Proceedings of Joint Statistical Meeting, Minneapolis, Minnesota, August 2005, pp2180-2185, [CD-ROM].

Wludyka, P.S., and Cox, A., "Using the SAS System to Construct n -Values Plots," *11th Annual Conference Proceedings Southeast f SAS Users Group*, St. Petersburg Beach, Florida, September 2003 (invited paper).

Wludyka, P.S., "Using the SAS System to Construct and Operate Control Charts with Randomized Control Limits," *Conference Proceedings of SAS Users Group International*, Seattle, Washington, March 2003 (invited paper) [CD-ROM].

Wludyka, P., Bergen, A., and Liu, X., "A Monte Carlo Study of Two Normal Based Homogeneity of Variance Tests for Unbalanced Designs", *Proceedings of the ASA Meeting 2002*, Joint Statistical Meeting (American Statistical Association), New York City, August 2002 [CD-ROM].

Wludyka, P.S., "Controlling Non-Homogeneous Multistream Binomial Processes with a Chi-Squared Control Chart," *Proceedings of the ASA Meeting 2002*, Quality and Productivity Conference, Tempe, Arizona, June 2002 [CD-ROM].

Wludyka, Peter S., Cavey, Dan, and Friedlin, Brett, "Using SAS to Control Multistream Binomial Processes with a Chi-Squared Control Chart," *Conference Proceedings of the South East SAS Users Group: Statistics and Data Analysis Section*, Savannah, Georgia, September 2002 (invited paper) [CD-ROM].

Wludyka, P. S., and Sa, P., "Using SAS to Perform Robust I-Sample Analysis of Means Type Randomization Tests for Variances for Unbalanced Designs," *Conference Proceedings of SAS Users Group International*, Orlando, Florida, April 2002 (invited paper).

Wludyka, Peter S., "Using SAS to Control Multistream Binomial Processes," *Conference Proceedings of the South East and South Central SAS Users Group*, New Orleans, LA., August 2001, pp 665-673 (invited paper).

Wludyka, Peter S., "Using SAS to Perform I-Sample Analysis of Means Type Randomization Tests for Variances," *Conference Proceedings of the South East SAS Users Group*, Charlotte, N. C., October 2000, pp 537-542 (invited paper).

Wludyka, Peter S., "Using SAS to Perform the Analysis of Means for Variances Test," *Conference Proceedings of the South East SAS Users Group*, Mobile, Alabama, October 1999, pp 420-425 (invited paper).

Book Reviews

My review of *Process Quality Control: Troubleshooting and Interpretation of Data* (4th ed.), by Ellis R. Ott, Edward G. Schilling, and Dean V. Neubauer, appeared in [Technometrics](#), Volume 48, Number 4, November 2006, pp. 572-572(1)

My review of *Statistical Analysis of Designed Experiments* (2nd Edition), by Helge Toutenburg, appeared in the *Technometrics*, May 2003, Vol. 45, No. 2.

My review of *SPC Essentials and Productivity Improvement: A Manufacturing Approach*, by W. A. Levinson and F. Tumbulty, appeared in the *ASQ Journal of Quality Technology*, July 1997, Vol. 29, No. 3.

Presentations

Selected Papers Presented at Meetings

Note: Five papers cited in Other Scholarly Work in Print were all presented at meetings of SAS Users Groups. Many of the papers listed in collaborative research were presented at national or international meetings.

“Using SAS to do ANOM”. Wludyka, P. Florida Chapter of the ASA Annual Meeting, Tallahassee, Fl. February, 2005 (invited paper).

Sharma R, Hudak M, Garrison R, Marvin W, Tepas JJ, Renfro WH, Hastings LK, **Peter Wludyka**. "Bowel perforation and necrotizing enterocolitis (NEC): Role of Indomethacin in very low birth weight infants." The 2004 Annual Meeting of Society of Pediatric Research Association at Moscone Center Convention Center. San Francisco, CA, May 1 - 4, 2004.

Sharma R, Tepas J, Mollitt D, Hudak M, Garrison R, Bradshaw J, **Wludyka P**, Sharma M. "Portal venous gas and surgical outcome of neonatal necrotizing enterocolitis." The 51th Annual International Congress, British Association of Pediatric Surgeons at Oxford. Oxford, UK, July 27 - 30, 2004.

“Surgical management of bowel perforations (PRF) in very low birth weight infants (VLBW) does not directly affect outcome”. Sharma R, Tepas JJ III, Mollitt DL, Pieper P, **Wludyka P**. Presented at The 50th Annual International Congress, British Association of Pediatric Surgeons at Estoril, Lisbon, 15th -18th July, Portugal, 2003.

Wludyka, Peter, “Simultaneous Tests For Categorical And Counts Data With An Application To Controlling Multistream Attribute Processes”, North Florida ASA Chapter meeting, Gainesville, Florida, February, 2003 (invited paper).

Livingood, W., Woodhouse, L., and **Wludyka, P.**, “Follow-up Study of Youth Cited in Florida”, 2002 National Conference on Tobacco or Health, San Francisco, California, November, 2002.

Wludyka, P., Bergen, A., and Liu, X., “A Monte Carlo Study of Two Normal based Homogeneity of Variance Tests for Unbalanced Designs”, Joint Statistical Meeting (American Statistical Association) 2002, New York City, August 2002.

Wludyka, P.S., “Controlling Non-Homogeneous Multistream Binomial Processes with a Chi-Squared Control Chart,” 2002 Quality and Productivity Conference, Tempe, Arizona, June 2002.

Coulter, C. V., and Wludyka, P. S., “A Monte Carlo Study of the Analysis of Means Version of Levene’s Test for Odd Sample Sizes,” Florida Chapter of the American Statistical Association, February 2000. [This paper was presented by an undergraduate student and illustrates my interest in involving undergraduate students in research.]

Livingood, W., Sayre, J., Hallan, J., and Wludyka, P., "Evaluation of Law Enforcement as a Component of a Statewide Youth Tobacco Use Reduction Program," American Public Health Association national meeting, November 1999.

Livingood, W., Woodhouse, L., Sayre, J., and Wludyka, P., "Assessing the Impact of Tobacco Possession Laws on Youth Behaviors, Attitudes and Perceptions," American Public Health Association national meeting, November 1999.

Selected Professional Presentations

Wludyka, P., "Introduction to Business Statistics with EXCEL — A Series of Partially Interactive PowerPoint/EXCEL Lectures." *Ninth International Conference on College Teaching and Learning*, April 1998.

Wludyka, P., "Teaching Statistics in Industry: Methods and Insights." Colloquium, University of North Florida, Department of Mathematics and Statistics, March 1996.

Hallan, J. and Wludyka, P., "An Assessment of Human Service Needs in St. Johns County, Florida." A presentation of findings to the St. Johns County Advisory Council and Interested St. Johns County Citizens, March 1997.

Wludyka, P. and Jacobs, S., "Using Experiments to Teach Statistics in Industry and Academe." Annual Meeting of the Florida Chapter of the American Statistical Association, February 1996.

Wludyka, P. and Nelson, P., "An Analysis of Means Type Test for Variances from Normal Populations." Invited paper at Fall Technical Conference (ASQC and ASA), Scottsdale, AZ, October 1996.

Wludyka, P., "Using ANOM and ANOMV in Introductory Statistics Classes." Colloquium, Armstrong State University, Department of Mathematics, January 1995.

Awards and Prizes Received

- 2003 UNF Summer Teaching Grant: *Statistics and Public Policy*. This is a competitive grant for \$5000.
- 1999 UNF Summer Research Grant to work on a monograph entitled *Testing Differences Using the Analysis of Means* to be coauthored with Peter Nelson. This is a competitive grant for \$5000.
- Frank Wilcoxon Prize (\$500) for best practical application paper published in *Technometrics* in 1997 for: Wludyka, P. S. and Nelson, P. R., "An Analysis of Means Type Test for Variances from Normal Populations," *Technometrics*, August, 1997, Vol. 39, No. 3. This is a prestigious award since *Technometrics* is generally considered to be the premier applied statistics journal in the world.
- Incorporating Technology in Teaching Summer Grant: *Partially Interactive PowerPoint Business Statistics Lectures Using EXCEL*, 1997. This is a competitive grant for \$5000.

Grants

Excluding my work with the University of Florida, I have been principal or co-principal investigator on completed grants totaling more than \$370,000 since 1996 and have recently completed \$180,000 multi-year grant from the National Cancer Institute for a project with Vanderbilt University. I was a project team member on Florida Tobacco Pilot Program grants totaling about \$450,000 since 1998. The grant that I have from the University of Florida to provide lecture and biostatistical consulting services at the Health Sciences Center which started in 2003 has been extended for five additional years (total: in excess of \$500,000).

- Biostatistical Services to University of Florida Health Sciences Center Jacksonville, July 1, 2007-June 30 2012, \$303,000 (Years five through nine). Providing support to and collaborating with UF clinical researchers, principal investigator.
- Biostatistical Services to University of Florida Health Sciences Center Jacksonville, July 1, 2006-June 30 2007, \$52,600 per year (Year four). Providing support to and collaborating with UF clinical researchers, principal investigator.
- Biostatistical Services to University of Florida Health Sciences Center Jacksonville, July 1, 2005-June 30 2006, \$52,600 per year (Year three). Providing support to and collaborating with UF clinical researchers, principal investigator.
- Biostatistical Services to University of Florida Health Sciences Center Jacksonville, July 1, 2004-June 30 2005, \$52,600 per year (Year two). Providing support to and collaborating with UF clinical researchers, principal investigator.
- Biostatistical Services to University of Florida Health Sciences Center Jacksonville, July 1 2003-June 30 2004, \$52,600 per year (Year one). Providing support to and collaborating with UF clinical researchers, principal investigator.
- Partners Benefit Survey for VISIT FLORIDA, 2002, \$10,000, principal investigator.
- Southern Community Cohort Study (SCCS) 2001-2005, About \$180,000. Data preparation, scanning, and data base creation for a large cohort study. Part of a consortium with Vanderbilt University, which managed the cohort study. The NCI has funded the project Principal Investigator for the UNF portion of this project and a Co-Investigator for the overall NIH grant. .
- IPTM, 2001. Public Opinion Survey and Statistical Analysis of DUI Intervention Strategies in Martin and Brevard Counties, \$41,500. Principal Investigator.
- VISIT FLORIDA, 2001. Cost/Benefit Analysis of Tourism Follow-up. \$15,000. Principal Investigator.
- Southern Community Cohort Study (Pilot) Follow-up, 2001. \$6,700. Principal investigator.
- VISIT FLORIDA, 2001. Florida Air Visitor Estimation review. \$20,000. Principal Investigator.
- Southern Community Cohort Study (Pilot), summer and fall 2000. 500 person pilot for 100,000 person cohort study; questionnaire scanning, data cleanup, and data base design. \$14,500. Principal investigator.
- VISIT FLORIDA, summer 2000. Rural Tourism Assistance Assessment. \$30,000. Principal Investigator.
- IPTM, 1999-2000. Statistical design and evaluation of Brevard County, Fl, DUI Intervention Project. \$22,500. Principal Investigator.
- VISIT FLORIDA, 1998-1999. Coordination and oversight of an overhaul of the methodology for official estimates of the number of visitors to the state of Florida. \$36,500. Principal investigator.
- Participated in the Florida Tobacco Pilot Program grants. The principal investigator for this series of grants was Bill Livingood, UNF College of Health. These grants were in excess of \$450,000.
- SKW Metals & Alloys and LAN Associates, Inc.: Environmental and Facilities Engineering, 1998. Statistical support for environmental impact study methodologies. Principal Investigator.
- Marco Technologies, 1998. Analysis of data and software development support for ophthalmological equipment. Principal Investigator.
- *An Assessment of Human Service Needs in St. Johns County, Florida*, 1996-1997. \$68,000. Co-principal investigator with Dr. J. Hallan, UNF College of Health.
- SPC Training Courses, TDS, Inc., summer 1996. \$20,500. Principal Investigator.

Education

After an extended absence I returned to Clemson University in 1992 to finish my Ph.D. degree. The degree was awarded in May 1994. My concentration was in applied statistics.

B. S. in Economics, University of South Carolina
M. S. in Mathematics, University of South Carolina
Ph.D. in Management Science, Clemson University

Unpublished Writing

Technical Reports Available on the Web

(www.unf.edu/coas/math-stat/CRCS)

Wludyka, Peter S., Nelson, Peter R., and Silva, Peter R., "Power Curves for the Analysis of Means for Variances." UNF Center for Research and Consulting in Statistics, Technical Report #990709. 1999.

Jacobs, S. L. and Wludyka, P. S., "ARL Tables for Multistream Binomial Processes." UNF Center for Research and Consulting in Statistics, Technical Report #991015. 1999.

Wludyka, Peter S., "Using SAS to Perform the Analysis of Means for Variances Test." UNF Center for Research and Consulting Technical report #990920. 1999.

Wludyka, Peter S., "Using SAS to Perform Robust Analysis of Means Type Tests for Variances." UNF Center for Research and Consulting Technical report #081500. 2000.

Technical Writing: My unpublished technical writing consists of texts written for statistical training courses given to business/industry clients and technical reports associated with grants and contracts.

Texts (Manuals) for Statistical and Quality Training Courses

Basic Quality Statistics (1995)
The Magnificent Seven + One (1995)
Intermediate Quality Statistics (1995)
SPC Awareness (1995)
SPC Basics (1995)
Advanced SPC (1996)
SPC with a Service Industry Slant (1996)
DOE Basics (1996)
Screening Experiments (1996)
Response Surface Methods (1996)
Introduction to Statistics using EXCEL (1997)

Reports / Monographs

Livingood, W., Sayre, J., Wludyka, P., and Hallan, J., UNF Tobacco Evaluation Project (Florida Tobacco Pilot Program): *Law Enforcement Survey Results*, University of North Florida, 1998.

Livingood, W., Sayre, J., Wludyka, P., Farrell, J., and Hallan, J., UNF Tobacco Evaluation Project (Florida Tobacco Pilot Program): *Meta-Analysis of Community/Opinion Leader Surveys Reports*, University of North Florida, 1998.

Livingood, W., Sayre, J., Wludyka, P., Farrell, J., Werch, C., and Hallan, J., UNF Tobacco Evaluation Project (Florida Tobacco Pilot Program): *Community Leader Survey Results*, University of North Florida, 1998.

Livingood, W., Sayre, J., Wludyka, P., Farrell, J., Werch, C., and Hallan, J., UNF Tobacco Evaluation Project (Florida Tobacco Pilot Program): *Community Opinion Leader Survey Results*, University of North Florida, 1998.

Livingood, W., Sayre, J., Wludyka, P., UNF Tobacco Evaluation Project (Florida Tobacco Pilot Program): *Pre-Conference Survey Results*, University of North Florida, 1998.

Wludyka, P., Hallan, J., and Williams, A., *An Assessment of Human Service Needs in St. Johns County, Florida*, Center for Alcohol and Drug Abuse Prevention and Health Promotion, University of North Florida, 1997.

Wludyka, P., Hallan, J., and Williams, A., *St. Johns County Human Services Data Base*, Center for Alcohol and Drug Abuse Prevention and Health Promotion, University of North Florida, 1997.

Wludyka, P., Williams, A., and Hallan, J., "A Study of Substandard Housing in St. Johns County, Florida," Center for Alcohol and Drug Abuse Prevention and Health Promotion, University of North Florida 1997.

Fiction Writing:

The Past is Another Country (Simon & Schuster, 1988). This novel was favorably reviewed in several major publications.

The Myth of Death (Xlibris, 2006). Go to www.Xlibris.com/Wludyka.html to read a free excerpt.

Private Consulting

Consulting: I provide SPC, DOE, Biostatistical, and Management Science consulting services to businesses, institutions and manufacturing firms. From 1994 to 2000 I had a continuing relationship with VISTAKON, the worlds largest manufacturer of daily wear contact lenses. Since January 2003 I have been part-time Biostatistical Consultant in the Office of the Dean at the University of Florida Health Sciences Center in Jacksonville, where I provide consulting services to residents, fellows and faculty; I also present a series of Biostatistics lectures to fellows and others with research interest. In my consulting practice I offer the following quality related services:

- I assess specific needs for, develop training courses and materials for, and administer statistical training to support quality improvement and product development.
- I offer expertise in searching out opportunities for and implementing the use of statistical methods useful in quality control, quality improvement, and product development.
- I help develop and implement solutions to specific quality problems — either by working on or supporting quality (engineering) teams.

Professional affiliations

- American Statistical Association
- American Society for Quality (ASQ)
- Decision Sciences Institute.

