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Work Experience

- **Association of Women's Health, Obstetric and Neonatal Nurses** Washington, DC
Director, Data Analytics 2008 - Present
 - Collaborated with clinical subject matter experts to conduct or participate in the development of research/survey design, data acquisition, statistical analysis, and interpretation and dissemination of results.
 - Co-authored four manuscripts that were published in peer-reviewed scientific journals.
 - Planned, organized and facilitated calls with research site leaders to support data acquisition and research.
 - Developed commercial benchmarking products used for hospitals to benchmark clinical key performance indicators against peers.
 - Used geolocation data to create county-level US Maps to support better organizational decision-making.
 - Used results from research to develop multiple revenue streams for the organization, accounting for 15% of annual product sales revenue.
- **Practice Management Partners, Inc.** Reston, VA
Manager, Accounts Receivable and Payment Posting 2004 - 2008
 - Developed physician-practice analysis and reporting tool to manage account follow-up for over 20 physician practices.
 - Managed workloads for 15 personnel.
 - Reported monthly cashflow numbers to executive team and clients, accounting for variations from budget.
- **Arthur Andersen/KPMG Consulting/BearingPoint** Tysons Corner, VA
Senior Consultant: 1999 - 2004
 - Analyzed client data to create management and front-line reports that enabled efficient enrollment processing and eliminated potentially fraudulent enrollees for healthcare programs funded by a territory of the United States.
 - Designed and implemented process reengineering projects for health insurance companies and hospitals. Created and monitored key performance indicators for these projects.

Education

- **Georgetown University** Washington, DC
Master of Science in Biostatistics Sep. 2009 - May 2012
 - Thesis: Predicting Tumour Stages of Lung Cancer Adenocarcinoma Tumours from Pooled Microarray Data Using Machine Learning Methods.
- **University of Virginia** Charlottesville, VA
Bachelor of Science in Commerce Sep. 1997 - May 1999
 - Concentrations in Finance and Management. Graduated with distinction (top 10% of class).

Technical Skills

Analysis Tools: My preferred analysis tool of choice is R. I often acquire data in SQL and bring it into R where I perform my analysis. I regularly create graphics in ggplot2 for presentations and publications.

Analysis Methodologies: During my research, I have employed content validation, inter-rater reliability, linear and logistic regressions, and machine learning methodologies. I enjoy learning new methodologies and regularly attend data meetup groups to keep current on the industry.

Presentations

- Highlights of AWHONN's Perinatal Staffing Data Collaborative. AWHONN's Leadership Conference on Perinatal Staffing. June 2012.
- Brown bag lunch: Statistics 101. Association of Women's Health, Obstetric and Neonatal Nurses. July 2012.
- Findings from the Postpartum Hemorrhage Project Baseline Survey. AWHONN's Leadership Conference on Quality and Safety. June 2014.
- Findings and Lessons Learned from the AWHONN Postpartum Hemorrhage Project. Conference on Maternal Mortality, organized by the Center for Disease Control and the American College of Obstetricians and Gynecologists. May 2015.

Poster Presentations

- Bingham D, **Scheich B**, Byfield R, Wilson B, Bateman BT. Postpartum Hemorrhage Preparedness Elements Vary Among Hospitals in New Jersey and Georgia. Presented at the Society of Obstetric Anesthesia and Perinatology. May 2015. Colorado Springs, CO.
- Scheich B**. Predicting Tumour Stages of Lung Cancer Adenocarcinoma Tumours from Pooled Microarray Data Using Machine Learning Methods. Presented at Georgetown University for Masters Thesis. May 2012. Washington, DC.

Publications

- Bingham D, **Scheich B**, Byfield R, Wilson B, Bateman BT. Postpartum Hemorrhage Preparedness Elements Vary Among Hospitals in New Jersey and Georgia. *J Obstet Gynecol Neonatal Nurs*. 2016;45(2):227-38.
- Li X, **Scheich B**. Predicting Tumour Stages of Lung Cancer Adenocarcinoma Tumours from Pooled Microarray Data Using Machine Learning Methods. *Int. J. of Computational Biology and Drug Design*. 2015; 8(3). 275-292.
- Peddicord K, McCarthy M, **Scheich B**. Association of Women's Health, Obstetric, and Neonatal Nurses: Uniting science with care for women and newborns. *Comput Inform Nurs*. 2009;27(2):122-4.
- Ruhl C, **Scheich B**, Onokpise B, Bingham D. Content Validity Testing of the Maternal Fetal Triage Index. *J Obstet Gynecol Neonatal Nurs*. 2015;44(6):701-9.
- Ruhl C, **Scheich B**, Onokpise B, Bingham D. Interrater Reliability Testing of the Maternal Fetal Triage Index. *J Obstet Gynecol Neonatal Nurs*. 2015;44(6):710-6.
- Scheich B**, Bingham D. Key findings from the AWHONN perinatal staffing data collaborative. *J Obstet Gynecol Neonatal Nurs*. 2015;44(2):317-28.

Awards

- Employee of the Year, 2012. Association of Women's Health, Obstetric and Neonatal Nurses.