

Glenn Wright

Data Scientist | Oakland, CA

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Summary

A talented, passionate, and creative programmer, statistician, and consultant, with 13+ years of experience working with real-world health care data and practitioners.

Professional Experience

Data Scientist / Senior Programming Consultant | Kaiser Permanente (2011 – present)

- Daily analysis of electronic health record data, including handling of protected personal health information.
- Predictive modeling for blood glucose (HbA1c) levels and participation in weight loss programs, participation in smoking cessation programs, and thyroidectomy complication rates.
- Topic modeling for patient-doctor secure messages.
- Developed cross-regional SAS / SQL / Tableau reporting framework for Stage 1, 2, & 3 Meaningful Use reporting.
- Reporting lead for clinical reconciliation, summary of care transmissions, structured laboratory test results, and electronic medication administration records.
- Reporting liaison and strategist for Kaiser Permanente Colorado, Georgia, Northwest, and Hawaii.

Data Consultant (freelance) | California Family Health Council (2013-2014)

- Data analysis for *The InTOUCH Study: Increasing Retesting for Chlamydia and Gonorrhea*.

Senior Statistician / Programmer | California Department of Public Health (2008-2011)

- Lead programmer for analysis of sexually transmitted infections screening and treatment.
- Analysis for publication on effectiveness of human papillomavirus vaccine.
- Developed code and research methodology to estimate costs per birth in Medi-Cal.
- Developed proxies to impute pelvic inflammatory disease and reason-for-visit from claims data.
- Developed code for Fellegi-Sunter record linkage and hierarchical agglomerative clustering.
- Managed secure data transfers from Kaiser Permanente and Quest Diagnostics.

Prior positions:

- Auditor Evaluator | California Bureau of State Audits (2007-2008)
- Graduate Researcher | Institute for Public School Initiatives, University of Texas (2006-2007)
- Policy Research Team | Accenture Consulting / Capital Metro Transportation Authority of Austin, Texas / LBJ School of Public Affairs (2005-2006)
- Research Associate | Institute of Gerontology, University of Michigan (2003-2005)
- Research Assistant | Department of Radiation Oncology, University of Michigan Hospital (2002-2003)
- Research Assistant | Kidney Epidemiology and Cost Center, University of Michigan (2001-2002)
- Intern | Bureau of Economics, Federal Trade Commission (2000)

Education

Online coursework (Columbia, Johns Hopkins, Stanford) | Economics of Money & Banking I & II, Biostatistics II, Social and Economic Networks: Models & Analysis, Introduction to Natural Language Processing, Introduction to Databases, Introduction to Machine Learning (2011-present)

Trainings (SAS Institute) | Text Mining, Data Mining, Proportional Hazards Modeling, Bayesian Analysis (2012-present)

Master of Public Policy | University of Texas, Austin (2007)

Bachelor of Arts, Economics with Honors | University of Michigan (2001)

Skills

Expert

- SAS | Enterprise Miner, Text Miner, Business Intelligence, and all major programming features.
- SQL | Teradata SQL, SAS PROC SQL, Oracle PLSQL, MySQL, PostgreSQL, and SQLite.
- Multiple regression analysis, research methodology, and predictive modeling.
- Data visualization, including D3.js.
- Writing, including published fiction.

Proficient

- Scientific Python stack | NumPy, SciPy, scikit learn, NLTK, genism, BeautifulSoup, keras, and most major Python 2 & 3 features.
- JavaScript | front-end and back-end, Node.js, Babel, React, Redux, Express, D3, Flow.js, and most major ES6 and later features.
- R | dplyr and tidyr.
- Statistical techniques including proportional hazards, instrumental variables estimation, fixed & random effects models, random forests, Bayesian modeling, and convolutional neural networks.
- Other tools including Tableau, HTML/CSS, and GitHub.

Familiar

- C++/Arduino, Java/Processing, JIRA, ArcGIS.

Publications | Presentations | Awards | Certifications

- **Co-authored papers** | *American Journal of Public Health* (2007), *Journal of the American Geriatric Society* (2005), *Health Care Financing Review* (2003)
- **Invited Speaker in Databases & Database Integration** | Glenn Wright, "Probabilistic Record Linkage in SAS", *Western Users of SAS Software*, San Diego, California, 2011.
- **Best Contributed Paper in Database & Data Integration** | Glenn Wright and Denis Hulett, "Transitive Record Linkage in SAS using Hash Objects", *Western Users of SAS Software*, San Francisco, California, 2010.
- **YHAT** | Presentations to statistical users group on proportional hazards modeling in SAS, random forest models in R, serial auto-correlation bias in partitioned data, and memory-backed data frames in R.
- **SAS Advanced Certification**
- **Competent Toastmaster**
- **2015 Independent Book Publisher Award**
- **Vice President for Membership** | University of Michigan Inter-Cooperative Council (a multimillion-dollar student housing organization.)
- **Eagle Scout, Troop 476**