# John Schrom, MPH, FAMIA

john@schrom.org

## Summary

Experienced data scientist and epidemiologist with expertise in building scalable data pipelines, conducting statistical analyses, and applying machine learning to solve complex healthcare problems. Proven track record of leading cross-functional teams, publishing impactful research, and driving measurable improvements in health outcomes.

## Experience

**Senior Data Specialist**, University of California, San Francisco          2021 - *present*
- Designed and executed statistical analyses featured in *The NY Times* and in WHO policy.
- Manage data pipelines supporting multi-million dollar NIH research grant.
- Supervise three people and coordinate projects for 15+ member international team.

**Staff Data Scientist / Sr Machine Learning Engineer**, One Medical, San Francisco.     2017 - 2021
- Engineered ML models for targeted health interventions, achieving a 43% increase in engagement and 22% improvement in clinical outcomes.
- Designed and published program evaluations featured in One Medical's IPO filing.
- Filed the company's first-ever patent application as sole inventor of ML process for EHR systems.

**Senior Data Scientist**, Grand Rounds, San Francisco          2016 - 2017
- Developed patient-provider matching models using disease-specific ML framework.

**Senior Data Scientist**, Practice Fusion, San Francisco          2013 - 2016
- Built the research data warehouse and ML-powered data science platform.

## Education

**MPH**, Epidemiology, University of Illinois
**BS**, Chemistry and Biology, University of Minnesota

## Recognition

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| Fellow of the American Medical Informatics Association (FAMIA) | 2020 |
| One Medical Hackathon: "People's Choice" & "Most Geektastic" | 2018, 2019 |
| Rock Health Fellow | 2012 |

**Key skills**: python (pandas, sklearn, numpy, matplotlib, pytorch), R (ggplot, tidyvere, shiny), SQL, data visualization, machine learning/data mining (penalized regression, SVM, neural nets and deep learning, association rules, clustering), epidemiology and statistics, biomedical informatics (including ontologies, FHIR standards), databases (mysql, postgres, ER modeling), and project management.