Exponent®
Engineering & Scientific Consulting

Jamie Powers, Ph.D.

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Professional Profile

Dr. Jamie Powers is an enthusiastic leader and strategic thinker with over 20 years of experience in the clinical research, analytics, and AI/ML space, leveraging statistical and data science knowledge to create value within organizations and their stakeholders. With a deep background in the health and life sciences field, Jamie has held various leadership roles, including Executive Director of Clinical Research Technology & AI Solutions at ConcertAI. Jamie's excellent communication skills enable him to connect with a wide range of professionals, from C-suite executives to implementation personnel. He holds a Doctor of Public Health (DrPH) in Biostatistics, a Master of Science in Statistics, and a Bachelor of Science in Biological Sciences.

Jamie's expertise includes predictive analytics software development, machine learning, AI, data science platforms, and analysis of real-world data. As a leader in the industry, he has played key roles in driving growth of strategic partnerships and contributing subject matter expertise to marketing initiatives. Jamie is proficient in Python, SQL, R, and SAS programming languages.

Throughout his career, Jamie has worked with various clients and industries, such as biopharmaceutical companies and healthcare providers. Notably, he has supported Real World Data Solutions for top 50 biopharma companies, focusing on data science and actionable insights for oncology pipelines. He has also been involved in the development of innovative statistical, machine learning, and AI methods for technology product enhancements.

Academic Credentials & Professional Honors

Ph.D., Biostatistics, University of North Carolina at Chapel Hill, 2013

M.Sc., Statistics, University of Guelph, 2001

B.Sc., Biological Sciences, University of Guelph, 1999

Prior Experience

Vice President, Causaly, 2022-2023

Executive Director, ConcertAI, 2020-2022

Sr. Director, Cambridge Semantics, 2018-2020

Director, PerkinElmer, 2016-2018

Principal Consultant, SAS Institute, 2013-2016

Director, Advanced Analytics, IQVIA, 2008-2013

Sr. Biostatistician, IQVIA, 2005-2008

Statistician, 2003-2005

Professional Affiliations

American Society of Clinical Oncology, 2020-present

International Society for Pharmacoeconomics and Outcomes Research, 2010- present

Drug Information Association, 2007-present

Publications

Preisser JS, Inan G, Powers JM and Chu H. A population-avearged approach to diagnostic test meta-analysis. Biometric Journal. 2018 Oct 29.

Powers JM. Making Real World Evidence Real: How life sciences companies can generate new insights about their therapies in action. SAS Health and Life Sciences, Cary, NC, 2015.

Powers JM. Population-averaged models for diagnostic accuracy and meta-analysis. University of North Carolina Dissertation, 2013 (Full reference forthcoming).

Powers JM. A Patient Recruitment Mixed Distribution Model with Center Initiation Cycle Times. In JSM Proceedings 2012, Biopharmaceutical Section. Alexandria, VA: American Statistical Association. 679-684.

Gourlay ML, Powers JM, Lui LY, Ensrud KE; for the Study of Osteoporotic Fractures Research Group. Clinical performance of osteoporosis risk assessment tools in women aged 67 and older. Osteoporosis International. 2008 Jan 25.

Arcury T, Preisser J, Gesler W, Powers J. Access to transportation and health care utilization in a rural region. Journal of Rural Health. 2005 Winter; 21(1):31-8.

Woods CR, Arcury TA, Powers JM, Preisser JS, Gesler WM. Determinants of health care use by children in rural western North Carolina: results from the Mountain Accessibility Project. Paediatrics. 2003 Aug; 112(2):e143-52.

Presentations

Cohort Optimizer, a Software Solution That Uses Real- World DATA and AI to Optimize Criteria of Oncology Trials. ISPOR, May 2022

Transforming the Healthcare Organization with an Enterprise Data Fabric. Moderated Panel. Cambridge Semantics. January 2019.

Data Quality in Machine Learning and AI. Panel Discussion. Pistoia Alliance, October 2018, Boston MA.

Practical Considerations for Implementing ML & AI into a Business Process. Minneanalytics Conference, September 2018

Graph databases and AI: how does this transform analytics as we know it? Global Artificial Intelligence Conference, April 2018, Seattle, WA

Pharmaceutical Industry and AI: where are we today? Global Artificial Intelligence Conference, October 2017 NYC

Big Data and Predictive Analytics in Pharma: examples from the real world. Global Big Data Conference, August 2017, Santa Clara, CA

Real World Evidence and Machine Lerarning: A practical end-to-end example. IE Big Data and Analytics in Pharma, June 2017, Philadelphia, PA

Pharamacovigilance and Active Surviellance. Xtalks Webinar, May 2017Enterprise Scalable R: the future is now PerkinElmer User Group Series. Basel, November 2016

Quantifying the Patient Journey: Are we ready for machine learning? Adv Pharma Analytics, Newark, September 2016

Quantifying the Patient Journey: foundations for Real World Evidence. EyeforPharma RWE, December 2015, Philadelhia, PA.

Accelerate Value Based Drug Development Using Real World Data and Predictive Analytics Xtalks Webinar, September 2015.

Real-World Evidence: Unifying Payers, Providers and Pharma Using Data and Analytics. INFORMS Healthcare 2015, Nashville, TN

Accelerate Value-Based Drug Development with Data and Analytics. DIA Innovation Theatre Presentation, DIA Annual Meeting, Washington, DC, 2015

Population-averaged models for diagnostic accuracy and meta-analysis. Doctoral Dissertation Defense, University of North Carolina, 2013.

Mixture distributions for enrollment and site initiation predictive models. Joint Statistical Meetings, 2012, San Diego, CA