

Jack B. Huber, Ph.D.

Researcher | Data Analyst | Statistician | Psychometrician

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PROFESSIONAL SUMMARY

Researcher, data analyst, statistician, and psychometrician with over 20 years of experience using data to inform decision-making and improve outcomes in healthcare, education, and nonprofit sectors. Expert in Excel, SQL, R, Tableau, and Power BI, with a strong record of translating complex data into actionable insights. Skilled communicator and educator with a talent for mentoring colleagues in research design, statistics, and data management, interpretation, and presentation. Adept at demystifying complex data concepts to clinical and non-technical audiences. Passionate about evidence-based practice, equitable outcomes, and empowering others.

PROFESSIONAL EXPERIENCE

Senior Clinical Data Analyst

Providence Swedish Pharmacy | Seattle, WA | October 2020 – Present

- Mentor clinicians and pharmacy residents study design, data analysis, and results interpretation, enhancing the statistical rigor of dozens of quality improvement and clinical research projects to date
 - Recognized with “Outstanding Mentor” award by 2022–23 PGY1 pharmacy residents
- Utilize SQL to extract complex medical data from data warehouse for quality improvement and clinical research
- Utilize R to conduct biostatistical analyses for quality improvement and clinical research
- Design and launch interactive dashboards in Tableau and Power BI to visualize complex medical data for key performance indicator and over 50 continuing education courses
- Edit and publish a monthly medical newsletter reaching hundreds of healthcare providers

Director of Research

Pastoral Planning & Mission Effectiveness | Catholic Archdiocese of Seattle | Seattle, WA | July 2019 – April 2020

- Guided diocesan leaders in understanding and application of data to improve engagement and decision-making
- Developed an evidence-based framework to evaluate parish effectiveness for consolidation decisions
- Conceptualized diocesan research agenda to inform strategic planning and increase church engagement
- Managed collection and analysis of data from 100+ parishes to inform leadership discussions and decisions
- Created revealing visualizations using Tableau of parish demographics, sacraments, and vitality trends
- Mentored other diocesan leaders on how to design and evaluate diocesan and parish ministries

Director of Data Management

Office for Catholic Schools | Catholic Archdiocese of Seattle | Seattle, WA | August 2017 – June 2019

- Directed all student data operations across 74 Catholic schools
- Led successful implementation of a standardized student achievement test across 70 Catholic schools
- Helped 34 Catholic schools migrate to a common student information system
- Developed interactive Tableau dashboards of student achievement to inform school improvement efforts
- Introduced first-ever diocesan metrics for measuring effectiveness of Catholic schools

Director of Assessment & Student Information | Multiple K-12 school districts

Spokane, Shoreline, Renton, Marysville, and Northshore School Districts (WA) | October 2006 – June 2017

- Led districtwide implementation of all high-stakes accountability testing programs across five Washington school districts serving 9,500 to 23,000 students
- Ensured districtwide compliance with mandatory state test administration procedures
- Monitored district and school progress on state accountability metrics; oversaw completion of mandatory federal and state reports

- Designed and implemented districtwide data warehouses to standardize and streamline reporting from test scores, course grades, and other data sources
- Improved equity in gifted programs and advanced coursework through enhanced testing procedures and cut score studies
- Guided development and/or validation of home-grown common district assessments
- Trained school leaders in interpreting data to support instructional improvement and policy decisions
- Conducted statistical studies and visualizations of student outcomes to evaluate equity and effectiveness of curriculum, instructional programs, screening and placement procedures, and district policies
- Represented districts at national and state levels in professional organizations
- Presented district work at professional conferences, published in professional journals

EDUCATION

Ph.D. in Educational Psychology (Psychometrics)

University of Washington | Seattle, WA | 2007

M.S. in Sociology

Virginia Polytechnic Institute & State University | Blacksburg, VA | 1997

B.A. in Sociology

Arizona State University | Tempe, AZ | 1993

CERTIFICATIONS

Continuing Education Certificates

AI Fundamentals | Chegg Skills, Inc. | June 2025

Data Science | Chegg Skills, Inc. | December 2023

- *Capstone Project: [Predicting Mortality in Patients with Necrotizing Fasciitis using Machine Learning](#)*

Electronic Health Record (EHR) Certifications

Clarity Data Model | Epic Systems | Fall 2021

Caboodle Data Model | Epic Systems | Fall 2021

Cogito | Epic Systems | Fall 2021

PROFESSIONAL SKILLS

Leadership: Budgeting, Collaboration, Event Planning, Mentoring, Metrics, Professional Development, SMART Goals, Software Implementation, Supervision

Public speaking: Leading Meetings, PowerPoint Presentations

Presentation: Google Slides, Microsoft PowerPoint, Prezi

Writing: Editing, Journal Manuscripts, Newsletters, Reports, Scientific Writing

Software: Excel, Git, Google BigQuery, Google Suite (Docs, Sheets, Slides, Forms), Jupyter, Microsoft Suite (Excel, Forms, Word, PowerPoint), Power BI, Quarto, R, RStudio / Posit, Tableau, Winsteps

Technical: Applications, Coding, Data Analysis, Data Visualization, Machine Learning, Statistical Analysis, Web Development

Advanced statistical analysis: Rasch Modeling, Item Response Theory, Hierarchical Linear Models, Propensity Score Matching, Logistic Regression, Survival Analysis (Cox Proportional Hazards, Kaplan-Meier Curves)

Programming Languages: SQL, R, Markdown, Python, LaTeX, Git