

# Jack B. Huber, Ph.D.

Researcher | Data Analyst | Statistician | Psychometrician

(206) 947-9926 | [jack.bernard.huber@gmail.com](mailto:jack.bernard.huber@gmail.com) | [www.linkedin.com/in/jackbhuber](http://www.linkedin.com/in/jackbhuber) | [Github](https://github.com/jackhuber) | [jackhuber.org](http://jackhuber.org)

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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.

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## 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
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## 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*

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## 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*

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## 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