Dr. Jack Huber

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Experience

Senior Clinical Data Analyst

PROVIDENCE SWEDISH PHARMACY | DEPARTMENT OF PHARMACY | SEATTLE, WA *2020 - Present*

- Use SQL to extract medical data from Snowflake data warehouse for medicine utilization evaluations and research projects
- Use R to conduct biostatistics for resident longitudinal research projects
- Use Tableau and Power BI to visualize data from continuing pharmacy education courses
- Awarded "Outstanding Mentor" by 2022-23 PGY1 Residents

Research Associate

SOCIAL & ECONOMIC SCIENCES RESEARCH CENTER (SESRC) | WASHINGTON STATE UNIVERSITY | PULLMAN, WA *2012 - Present*

- An annual Rasch analysis of data from a statewide survey of parental satisfaction with special education services

Adjunct Instructor

DEPARTMENT OF EDUCATIONAL LEADERSHIP | COLLEGE OF EDUCATION | GONZAGA UNIVERSITY | SPOKANE, WA *2021 - 2023*

- Taught online graduate course in Research Methods to students pursuing Doctor of Education (EdD) degree
- Taught online graduate course in Data Analysis to students pursuing Doctor of Education (EdD) degree

Director of Research

PASTORAL PLANNING & MISSION EFFECTIVENESS | ARCHDIOCESE OF SEATTLE | SEATTLE, WA *2019 - 2020*

- Managed collection, analysis, and reporting of data from 100+ Catholic parishes to inform diocesan leadership decisions
- Conceptualized diocesan research agenda to increase parishioner engagement with Church
- Utilized Tableau to visualize trends in church engagement
- Devised evidence-based tool for measuring parish effectiveness to inform parish closure decisions
- Visualized priest population data to inform retirement discussions
- Collaborated with other ministries on data-based evaluation projects

Director of Data Management

OFFICE FOR CATHOLIC SCHOOLS | ARCHDIOCESE OF SEATTLE | SEATTLE, WA *2017 - 2019*

- Directed collection, analysis, and reporting of data from 74 Catholic schools to inform school leaders
- Implemented common student achievement test across 74 schools
- Coordinated migration of 34 schools to single student information system
- Developed Tableau dashboards to visualize student achievement data for school leaders
- Devised first metrics for measuring effectiveness of Catholic schools

Director of Assessment, Evaluation & Research

NORTHSHORE SCHOOL DISTRICT | BOTHELL, WA *2016 - 2017*

- Managed collection, analysis & reporting of student achievement data for district of 23,200+ students
- Implemented district reading assessment in 34 elementary schools
- Improved screening testing to diversify students identified for district gifted program across 34 elementary schools
- Established World Language Proficiency testing for multilingual high school juniors
- Successfully monitored assessment-related graduation requirements for 1,700+ graduating seniors

Director of Assessment and Student Information

MARYSVILLE SCHOOL DISTRICT | MARYSVILLE, WA *2015 - 2016*

- Responsible for collection, analysis & reporting of all student assessment data in district of 11,300+ students
- Implemented district's first student achievement data warehouse
- Implemented common district reading and mathematics tests
- Visualized student data on racial gaps in achievement, course failure, and discipline for equity team

Director of Assessment and Student Information

SHORELINE SCHOOL DISTRICT | SHORELINE, WA *2008 - 2014*

- Directed collection, analysis, and reporting of all state & district student achievement data in district of 9,500+ students
- Led implementation of district's first student data dashboard
- Evaluated state-funded instructional reading support program which helped save the program
- Improved placement of elementary students into appropriate secondary mathematics courses
- Developed, validated districtwide secondary mathematics assessments across two middle schools

Education

PhD | Educational Psychology

University of Washington | Seattle, WA | 2007

Master of Science | Sociology

Virginia Tech | Blacksburg, VA | 1997

Bachelor of Arts | Sociology

Arizona State University | Tempe, AZ | 1993

Certifications

Data Science

Chegg Skills | chegg.com | 2023

Clarity Data Model

Epic Systems | epic.com | 2022

Caboodle Data Model

Epic Systems | epic.com | 2022

Cogito

Epic Systems | epic.com | 2021

Skills

Communication	Public Speaking (Meetings, Presentations), Writing for Publication
Interpersonal	Collaboration, Mentoring
Leadership	Event Planning, Goal Development, Professional Development, Software Implementation
Management	Budget, Evaluation, Project Management, Supervision
Languages	LaTeX, Markdown, Python, R, SQL
Software	Google BigQuery, Google Suite, Jupyter, Microsoft Office Suite, Quarto, Posit, RStudio, Winsteps
Technical	Data Analysis, Data Management, Data Visualization, Machine Learning, Statistics

Recent Projects

Predicting Mortality in Patients with Necrotizing Fasciitis: A Machine Learning Approach

- A machine learning study of 158 patients afflicted with necrotizing fasciitis

Outcomes of Monoclonal Antibody Use in Patients with COVID-19

- A propensity-matched analysis of the effect of monoclonal antibody use in 21,000+ outpatients with mild-to-moderate COVID-19 infections

Predicting Mortality in Heart Failure Patients admitted to ICU

Awards

Outstanding Mentor

PGY1 Pharmacy Residents | Providence Swedish Pharmacy | Seattle, WA | 2023

Outstanding Doctoral Dissertation

Washington Educational Research Association | Seattle, WA | 2007