

REBECCA NICHOLS

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EDUCATION

Master of Science: Statistics

BRIGHAM YOUNG UNIVERSITY, Provo, Utah, August 2003

GPA: 3.79

Conference Attendance: Statistical Genetics Conference, University of Washington, December 16 - 18, 2001

Masters Project: Repairing screening designs in a phylogenetics experiment to evaluate factors effects on the search time for phylogenetic tree estimates.

Bachelor of Science: Statistics, Cum Laude

BRIGHAM YOUNG UNIVERSITY, Provo, Utah, April 2001

Minors: Business Management, Music

Cumulative GPA: 3.87

Organizations: Former Secretary of Mu Sigma Rho Statistics Honor Society, Member of the Golden Key National Honor Society

EXPERIENCE

Visiting Instructor, August 2003 – Present

BRIGHAM YOUNG UNIVERSITY, Department of Statistics

- Courses: Stat 105, 221, 291/292, 322
- Stat 221 Course Manager
- Working with Women's Research Institute analyzing data on the relationships between inter-parental violence and child characteristics.

Statistician, May – September 2002, May – August 2003

PROVIDENCE ALASKA MEDICAL CENTER, Infection Control

- Analyzed data from a study to determine whether the On-Q Pain Ball and other measured factors increase the risk of a surgical site infection in women following their C-section.
- Analyzed data collected to determine whether new procedures implemented in the ICU have resulted in significantly lower ventilator-associated pneumonia rates.
- Created control charts and graphs to monitor infection rates and instrument problems.

Statistician, May – September 2002

INSTITUTE for CIRCUMPOLAR HEALTH STUDIES, University of Alaska Anchorage

- Analyzed data from an extensive study comparing the characteristics of short-term and long-term recipients of the Alaska Temporary Assistance Program.
- Collected and analyzed population and survey data to determine which physician specialties are currently underserved in Anchorage.

Student Statistical Consultant, January – April 2003

BRIGHAM YOUNG UNIVERSITY, Center for Statistical Consultation, Dept. of Statistics

- Analyzed data for the BYU animal science departments alpaca breeding study.
- Analyzed data for a language learning study.

Research Assistant, May 2001 – May 2002, September 2002 – April 2003

BRIGHAM YOUNG UNIVERSITY, Department of Statistics

- Worked with the BYU Computational Phylogenomics Group under Dr. David Whiting.
- Designed and analyzed experiments evaluating phylogenetic tree searching methods.

Statistics Teaching Assistant, Jan. – Apr. 2000, Sep. 2000 – Apr. 2001, Sept. 2002 – Apr. 2003

BRIGHAM YOUNG UNIVERSITY, Department of Statistics