Andrea Fewx

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Education: Graduate studies in Applied Information Management,
University of Oregon, Eugene, Oregon 2003

B.A. Ottawa University, Ottawa, Kansas
Sociology, 1970

Accounting major completed 1973
Courses taken from Ottawa University, University of California, Hayward, and others

Areas of Specialization:

- Leadership, management and coordination of data management systems
- Guide input and evaluation of data gathered
- Gather the data required
- Perform end of cycle analysis to ensure that the data was properly handled
- Analyze data and data systems to verify the validity and integrity of the data or data system
- Process and analyze data across multiple platforms: Microsoft Access, MySQL, SQL, SPSS
- Design and develop data systems to support TRI projects and framework

Work Experience:

Data Systems Design and Development

Oregon's Quality Rating & Improvement System 2014-present
Principle designer and developer of a data management system using MS Access; support through the use of queries the development of reports; manage a file share with the state of Oregon that allows QRIS to share data securely.

Grants Management Office for TRI 2011-2014
Principle designer and developer of a data management system using a SQL backend and an Access frontend, with report capability

Post-School Outcomes for the Oregon Department of Education 2006-2013
Principle designer and developer of an Access database that was then moved to a SQL Post-School Outcomes database with queries to support the transfer of data, principle designer and developer of an algorithm to select a sample of students from each Oregon school district or school

Learning Disability Assessment Project for Oregon Department of Human Services 2001-2011
Principle designer and developer of the Educational Evaluation Center Database; Designed and developed a database to 1) maintain Clients, Case Managers and Independent Evaluators demographics and 2) maintain an accurate account of assessments, Independent Evaluator's payment requests, and Client data for monthly and yearly reports. Coordinate with Education

Evaluation Center personnel to maintain a viable and responsive database. Designed and developed in Microsoft Access and MS SQL.

TRI Website 2005
Co- principle designer and developer of the database for the new TRI website.

Oregon Quality Assurance in Teaching 2003-2005
Principle designer and developer of the OQAT2 database for 1) data entry of candidate's data/demographics and 2) maintenance of federal required information for scholarship and stipends for candidates.

Education Evaluation Center surveys 2003-2005
Principle designer and developer of a database used for data entry of student data and phone consultations. The database was designed for ease of data entry and analysis.

Oregon Department of Education, Special Education Data project 2005
Principle designer and developer of a database used to audit Primary Language codes.

Special Education System Performance Review & Improvement 2005
Principle designer and developer of a database used to explore the possibility using an in-house database for tracking, reminding and sharing platform.

Oregon Department of Education, Special Education Data project 2002-2005
Principle designer and developer of a database used to maintain the School/district ID codes used by Teaching Research Institute to maintain data for Oregon Department of Education. The database is used to update school and district codes and to create SPSS syntax for use in Special Education child census data management.

DBLink Effectiveness survey 2005
Principle designer and developer of a database used for data entry of survey data. The database was designed for ease of data entry and analysis.

Child Development Center, Teaching Research Institution 2004
Co-Principle designer and developer of the database used by the Child Development Center at Teaching Research Institute, Western Oregon University. The database is used by CDC teachers and director to maintain student demographic information and assessments.

OFRI Evaluation- Talk about Trees 2004
Principle designer and developer of a database used for data entry of survey data. The database was designed for ease of data entry and analysis. Supervised data entry accomplished by student workers.

National Technical Assistance Consortium for Children and Young Adults who are Deaf-Blind 2004
Principle designer and developer of a database used for data entry of survey data. The database was designed for ease of data entry, analysis and data maintenance.

TRI publications and TRI presentations 2004
Principle designer and developer of two databases used for data entry and maintenance.
Local Emergency Planning Committee 2004
Principle designer and developer of a database used for data entry and data cleaning.

Preparing Tomorrow's Teachers to Improve Student Learning 2004
Principle designer and developer of a contact database used for maintenance of contact information for marketing purposes of the SimSchool project. Designed and developed in Microsoft Access and MySQL

Social Competence Project 2003-2004
Principle designer and developer of a database used for queries and a flow through to SPSS for analysis.

Partnerships for Early Childhood Educators in Rural Communities 2003
Principle designer and developer of a database used for data entry of survey data. The database was designed for ease of data entry and analysis. Supervised data entry accomplished by student workers.

Oregon State Interagency Coordinating Council for EI/ECSE 2003
Principle designer and developer of a database used for data entry. The database was designed for ease of data entry and analysis. Supervised data entry accomplished by student workers.

21st Century Community Schoolhouse 2003
Principle designer and developer of a database used for data entry of survey data. The database was designed for ease of data entry and analysis. Supervised data entry accomplished by student workers.

Oregon Special Education Recruitment & Retention Project 2003
Principle designer and developer of the R&R database used for data entry of survey data. The database was designed for ease of data entry and analysis. Supervised data entry accomplished by student workers.

Oregon School Library Information System 2003
Principle designer and developer of the OSLIS database used for data entry of survey data. The database was designed for ease of data entry and analysis. Supervised data entry accomplished by student workers.

Oregon Department of Education Natural Environment for Birth – 3 yrs 2003
Principle designer and developer of a database used for data entry of survey data. The database was designed for ease of data entry and analysis. Supervised data entry accomplished by student workers.

Preparing Tomorrow's Teachers to use Technology 2003

Principle designer and developer of a database used for data entry of survey data. The database was designed for ease of data entry and analysis. Supervised data entry accomplished by student workers.

Curriculum Based Assessment for EI and ECSE children, 2001-2002
Two year project with the Oregon Department of Education, Special Education with investigated using currently available assessment instruments to monitor progress of EI/ECSE students stat-wide. Designed and developed a database for ease of data entry and data analysis. Supervised data entry accomplished by student workers.

ODE Summer Institute 2000, 2001, 2002
This project was to meet the needs identified by the Oregon Department of Education, Office of Special Education by offering university accredited courses through a Summer Institute to Special Education teacher/specialists. Designed and developed a database for maintaining accurate information for registration for Special Education and Early Intervention/Early Childhood Special Education specialists and to maintain accurate account of accounts receivable, deposits, courses, and class availability. Coordinated information with various school districts that used purchase orders to pay for their personnel's registration to the Oregon Department of Education's Summer Institution.

Coordinator of Victim's Restitution Program
Polk County District Attorney's Office, Dallas, Oregon 1999-2000.
Developed policy for victim's restitution and developed database for victim's restitution. Gathered data for victim's needs, supported victim through grand jury and trial.

Management

Managed the Learning Disability Assessment Project for Oregon Department of Human Services 2008 process of developing an online system by coordinating with the programmer and the staff of Education Evaluation Center.   The process supported the timelines that needed to be met. I then designed and developed the database in MYSQL to which the online system linked.

Manager of Data and Data Processing 2002-2005
I developed the Data Processing group's procedures, business rules and assigned student worker's their tasks. I coordinated the student worker's revolving hours with the needs of projects/grants who requested data processing for a timely product.

Data Analyst

Oregon Department of Education, Special Education Data project 2006
Separated data into parts so that it could be examined methodically. Collect information about the source system(s), files and fields. Validate data that has been transformed, and validate data consistencies between applications. Write SPSS syntax. Give advice about how Access databases function and write queries needed to access the data on the database. Verify formulas in Excel spreadsheets and write documentation for those formulas.
Special Education System Performance Review & Improvement 2005-06

Analyzed mediation data and used the information to document how the data is entered into the website tables. Designed and developed a process for random selection of files that school districts are required to review for Special Education students. Then created an algorithm in SQL stored procedures so that the process could be automated on SPR&I website.

Oregon Department of Education, Assessment project 2006
Separated data into parts so that it could be examined methodically. Collected information about the source system(s), files and fields. Validate data that has been transformed, and validate data consistencies between applications. Write SPSS syntax. Verify that calculations performed on data are correct. Produce parallel computation. Make recommendations about data and data management, and SQL stored procedures.

IDEA General Supervision Enhancement Grant 2005-06
Evaluated surveys gathered by the project to identify needed data requirements. Made recommendations about data and the need for a database to warehouse the surveys. Designed and developed a database. Produce summary reports for each survey.

Support

Oregon Department of Education, Special Education Data Project 2002-2003
Research and support of ODE reports that are submitted to Federal Government: Personnel, Discipline, 11% Cap, SECC, Exiting.

Summer Institute 2000-2002
Directed printing of class materials, and development of class binders. Learned database development and developed database for maintaining accurate information for student registration and the full accounts receivable process.

District B project 1999-2001
Cleaned data, split data into useable components for analysis. Developed SPSS syntax for use in the analysis. Produced data for written article and presentation by Del Schalock, Mark Schalock and Joe Hansen at the Education Trust Conference.

Accounting

Senior Accountant
JE Higgins Lumber Co, Concord, California 1975-1979
Managed data processing department, coordinated work flow of accounting with data processing. Maintained the integrity of the general ledger and inventory through proper accounting procedures. Supervised accounting clerks, liaison between accounting and divisions managers. Responsible for all monthly and annual closing and audit reports.

Staff Accountant
Industrial Clean Air, Berkeley, California 1973-1975

Supervision of payroll clerks, maintained payroll and union records confidentiality, responsible for all monthly and annual closing.

Teller
Wells Fargo Bank, San Francisco, California 1970-1972

Community and Professional Service:

 2013-2014   Technology infrastructure committee
                 Facilitator and committee member

2005-2006   Promotion Committee II and III
                 Committee member, helped develop the Specialist promotion criteria

2000-2010   Life Path Ministries
                 Group facilitator for recovery ministries

1999-2000   Polk County District Attorney Office, Victim's Assistance program.
                 Supported Victims through the grand jury process and trial.
                 Developed a victims' restitution program.

1998-1999   Oregon Center for Family Policy (now Stronger Families for Oregon).
                 Contributed to the Oregon Index of Leading Indicators, gathered data and wrote
                 analysis for research.

1984-2005   Local School involvement
                 Assisting in classrooms

1990-1999   Local Sports involvement
                 Team assistant

Publications and Presentations:

Presentation: The Data Process, 2013

Presentation: Excel – Practical Beginnings, 2005

Training: Word using Mail Merge with Excel or Access, 2005

Presentation: Using Staff forms on the TRI online administration site, 2005

Fewx, A. (2013). The data flow for the GMO database. Monmouth, OR: Teaching Research Institute, Western Oregon University.

Fewx, A. (2012). <u>Instructions for Primary Database using Excel 2007 (with notes for using Excel 2003); Oregon Special Education Multi-Year Database – 10 Year</u>. Monmouth, OR: Teaching Research Institute, Western Oregon University.

Fewx, A. (2011). <u>Post-School Outcomes project data entry process</u>. Monmouth, OR: Teaching Research Institute, Western Oregon University.

Fewx, A. (2005). <u>Excel Training; Practical Beginnings.</u> Monmouth, OR: Teaching Research Division, Western Oregon University.

Fewx, A. (2004). <u>CDC Enrollment Database; User Manual.</u> Monmouth, OR: Teaching Research Division, Western Oregon University.

Fewx, A. (2004). <u>Education Evaluation Database; User and Technical Manual.</u> Monmouth, OR: Teaching Research Division, Western Oregon University.

Johnson, P., Fewx, A., Johnson, B., & Brame, S. (2001). <u>Indian Country Crime Initiative CIRCLE Project – Comprehensive Indian Resources for Communities and Law Enforcement, Final Report.</u> Monmouth, OR: Teaching Research Division, Western Oregon University.

Schalock, M.D., Johnson, P., Fewx, A., & Johnson, B. (2001). <u>Final report on a pilot study for the development of a longitudinal curriculum based assessment database</u>. Monmouth, OR: Teaching Research Division, Western Oregon University.