

**Larry F. Bednar**  
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- Objective:** Employment or contract work utilizing expertise in data management, statistics, quality management, programming within a workplace emphasizing systems/quality management principles, efficient use of contemporary computer technology, and teamwork.
- Education:** M.S. Statistics 1986  
B.S. Biology (Molecular Biology) 1977  
University of California, Riverside
- Post-academic training areas include: database administration, application development methodology, SQL, data modeling, relational databases, electronic communications, mathematics, SAS programming.
- Experience:** Operating systems  
(AIX, DG-AOS/VS, PRIMOS, VMS, Windows NT server, Windows NT workstation, Windows 3 thru XP, Macintosh System 7&8, DOS 3 and up)
- Database design and administration, 15 years  
(Oracle, Microsoft Access, FileMaker Pro, FileMaker Server, Alpha4, dBase, Paradox)
- General programming, 22 years  
(SAS, SQL, PL/SQL, SPSS, Perl, LISP, VisualBasic, Korn Shell scripting, FORTRAN, Maple V, Pascal, BMDP, Gauss, AOS/VS macros, DOS macros)
- Independent consulting, 18 years
- Statistical consulting, 18 years
- Strengths:** Strong organizational skills; excellent communication/teamwork skills; strong ability to maintain focus on long-term strategic objectives during tactical operations; ability to work well within interdisciplinary teams; strong knowledge of quality management, quality assurance, quality control; strong familiarity with ISO-9000, Malcom Baldrige National Quality Award, Oregon Quality Award quality assurance models, and SEI Capability Maturity Model.
- Memberships:** American Society for Quality (Quality Management, Statistics, Software Divisions), American Statistical Association (Quality and Productivity, Statistical Computing & Graphics Sections).
- Employment:** **Consultant** **1987 to present**
- Projects in statistics, data management, and quality management for nonprofits, government, researchers, and businesses. Data analyses in ecology, education, microbiology. Advisor in development of quality improvement plans. Application development for management of client records, data entry/quality evaluation, tracking of product distribution, data processing of forest inventory data. Used SAS, MS-Access, FileMaker Pro, FileMaker Server, EMACS, LISP, VisualBasic, Perl. SPSS.
- Data Administrator** **1989 to 2001**  
USDA - Forest Service, Portland Forestry Sciences Laboratory
- Member of team responsible for developing systems for integrated nationwide storage and processing of forest inventory data collected by regional inventory groups.

Member of team responsible for providing computer technology support to long-term monitoring of forest resources on U.S. west coast.

Leader of data processing system redesign project applying Oracle CADM Method

- facilitated system/data modeling meetings
- established standard application development/documentation system based on ISO-9001 quality assurance model
- established naming guidelines for database and staff files
- established code formatting standards
- established filing structure and security guidelines for staff files
- designed documentation system for data and data processing applications and led work to complete that documentation
- established consistent use of version control software for code management

Oracle database administration

- led major clean up/movement of badly mismanaged Oracle database
- assisted system administration staff with hardware acquisitions, system updates, installation of corporate applications, etc. related to operation of Oracle database

Staff information management

- led change of staff computing from terminal/minicomputer to PC/server model
- organized staff file cleanup and migration from legacy systems
- established use of Oracle database as shared data source, reducing data redundancy
- established regular backup of PCs over local area network

Programming

- developed applications using SAS, PL/SQL, MS-Access, PASCAL, Korn shell, LISP
- developed library of SQL, PL/SQL and Korn shell scripts to support data management tasks

Statistical support

- provided general statistical and quality assurance support
- statistical review of manuscripts and study plans
- provided advice and hands-on work in data analysis

**Mathematical Statistician**

**1986-1989**

USDA-Forest Service, Forest Fire Laboratory; Riverside, CA

Provided statistical support to over 100 employees, including: experiment and survey design; statistical analysis; statistical review of all manuscripts and study plans; programming support. Supported research topics included fire management, fire ecology, meteorology, hydrology, air pollution monitoring, plant pathology, entomology. EEO counselor and member of regional Civil Rights committee.

<b>Job Awards:</b>	Special Service Award	1987
	Superior Accomplishment Award	1993
	Special Service Award	1996
	Annual Performance Award	1997
	Special Service Award	1999

**Papers:** Publications in areas of entomology, fire management and economics, forestry, quality control and statistics, wildlife dynamics. Available upon request.

**References:** Available upon request.