

**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: Oracle database administration, Oracle\*Forms, SQL, data modeling, relational databases, Oracle Designer, electronic communications, varied mathematics, SAS programming.
- Experience:** Operating systems  
(AIX, DG-AOS/VS, PRIMOS, VMS, Windows 3 thru XP, NT, NT Server, Macintosh, DOS 3 and up)
- General programming, 22 years  
(SAS, SQL, PL/SQL, SPSS, Korn Shell scripting, FORTRAN, Perl, LISP, VisualBasic, Maple V, Pascal, BMDP, Gauss, AOS/VS macros, DOS macros)
- SAS programming, 19 years  
(DATA step and macro programming, SQL, GRAPH, STAT, ACCESS, IML, ETS, AF/FRAME)
- Statistical consulting, 15 years  
(research study plan and manuscript review, data analysis, experimental design, sampling design, quality management/control)
- Database design and administration, 13 years  
(Oracle, dBase, Microsoft Access, Alpha4, Paradox, FileMaker Pro)
- Research, 24 years
- Independent consulting, 14 years
- Strengths:** Strong organizational skills; excellent communication/teamwork skills; 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 understanding of ISO-9000, Malcom Baldrige National Quality Award, Oregon Quality Award, and SEI Capability Maturity Model.
- Memberships:** American Society for Quality (Quality Management, Statistics, Software divisions), American Statistical Association (Quality and Productivity, Statistical Computing and Graphics sections).
- Employment:** Statistician 1995 to 2001  
USDA - Forest Service, Portland Forestry Sciences Laboratory
- Participation on national system design team; leadership of local data processing system development using Oracle's CASE\*Method; data administration; database administration

(central database holds data from 10 inventories, each comprised of 15-30 tables and 200-500 columns); data analysis; application development using Oracle, SAS, PL/SQL, SQL, Korn shell; supervision and training of new staff in programming/design standards, SAS, SQL and PL/SQL; varied tasks related to staff file organization and security.

Contracting Consultant 1987 to present

Consulting in statistics, data management, and quality management. Major projects included: county-level evaluation of school readiness of preschoolers; computer/statistical consultant for production/testing of insecticides of bacterial origin; county-wide quality assurance efforts for family service providers, construction of data management systems for non-profits.

Statistician 1989-1995  
USDA - Forest Service, Portland Forestry Sciences Laboratory

Provided statistical, quality control, programming and data management support for establishment of 6 large, long-term, interdisciplinary experimental ecological research sites. Responsibilities included: experimental design; information management; review of research study plans; statistical consulting with researchers; programming in SAS and SQL; application development using PASCAL, PARADOX, ALPHA4, and MS-Access. Served as team leader for applied research for one year.

Statistician 1986-1989  
USDA-Forest Service, Forest Fire Laboratory; Riverside, CA

Responsible to over 100 employees for mandatory statistical review of all research study plans and manuscripts in varied disciplines used in land management applications (hydrology, ecology, meteorology, recreation sociology, air pollution monitoring, fire management operations). Also responsible for general statistical support, including: experiment and survey design; statistical analysis; programming support in SAS, MINITAB, FORTRAN 77, and GAUSS. Developed and taught a 2-day in-house course in use of SAS. EEO counselor and member of regional Civil Rights committee.

Lab Assistant III 1980-1985  
U.C. Riverside, Department of Entomology

General management of research laboratory and supervision of workers; statistical analysis and programming; design and execution of experiments in insect nutrition, biochemistry and parasitology; MINITAB and SAS programming.

Insectary Manager 1979-1980  
Rincon-Vitova Insectaries; Rialto, CA

General management of workers, maintenance and troubleshooting of 7 large insect colonies.

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

**Projects:** Publications in areas of entomology, fire management and economics, forestry, quality control and statistics, wildlife dynamics. Software system development projects in varied application areas. More detailed information available upon request.

**References:** Available upon request.