

Larry F. Bednar

3226 NE 24th Ave.

Portland, OR 97212

503.493.8542, larry@quimdas.com

Objective: Employment or contract work requiring expertise in SAS programming, quality management, information management, and statistics within a workplace emphasizing teamwork and systems or quality management principles.

Education: M.S. Statistics 1986
B.S. Biology (Molecular Biology) 1977
University of California, Riverside

Courses in statistics, mathematics, biochemistry, programming, entomology, genetics, microbiology, histology, field botany. Statistics course work included: advanced experimental design, nonparametric statistics, stochastic models, analysis of contingency tables, linear models, time series, spatial statistics, seminars in statistical consultation.

Post-academic training includes: Oracle Designer 2000, Oracle database administration, Oracle*Forms, SQL, data modeling, relational databases, electronic communications, intermediate and advanced SAS AF/FAME programming.

Experience: SAS programming, 20 years
(Macro programming, DATA step programming, AF/FAME, BASE, STAT, ACCESS, IML, ETS, SQL, GRAPH) on PCs, Macintosh, VAX, IBM mainframes

General programming, 23 years
(FORTRAN, Pascal, SAS, SPSS, BMDP, VisualBasic, Perl, Gauss, Maple V, Korn Shell scripting, LISP, AOS/VS macros, DOS macros)

Statistical consulting, 16 years
(research study plan and manuscript review, data analysis, experimental design, sampling design, quality management/control)

General database management software, 13 years
(dBase, Microsoft Access, Alpha4, Paradox, FileMaker Pro)

Oracle, 13 years
(SQL - 12 yrs, DBA - 6 yrs, PL/SQL - 3 yrs, on Data General AOS/VS, Windows NT, AIX operating systems)

General research, 25 years

Independent consulting, 16 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 familiarity with ISO-9000, Malcom Baldrige National Quality Award, Oregon Quality Award, and Software Engineering Institute Capability Maturity Model.

Memberships: American Society for Quality (Quality Management, Statistics, Software Divisions), American Statistical Association (Quality and Productivity, Statistical Computing & Graphics Sections).

Employment: Statistical/Data Management Consultant 1987 to present

Varied projects in statistics, data management, and quality management. Projects included: data processing of financial records; nonprofit membership information management, quality control in production of insecticides of bacterial origin, quality consulting for family support services, evaluation of school readiness of pre-schoolers.

Statistician 1995 to 11/2001
USDA - Forest Service, Portland Forestry Sciences Laboratory

Current responsibilities: Member of national team developing systems to support nationally integrated processing and storage of national forest resource survey data (80% time commitment); high-level local support in data administration, statistics, database administration, and application design (20% time commitment).

Past responsibilities included: leadership of system retooling using Oracle's CADM/CASE*Method; data administration; database administration (Oracle, MS Access); data analysis; statistical support; application development using SAS, Oracle, PL/SQL, SQL, Korn shell programming; varied tasks related to staff file organization and security.

SAS programming projects included:

- Translation of major FLECS/FORTRAN 77 programs into SAS. Required use of SAS macros, SAS/ACCESS, SQL, REPORTS, GRAPH, ODS, advanced data step programming and use of a variety of SAS statistics modules.
- Development of SAS macros for use by staff analysts and programmers. These macros are designed to accomplish frequently needed analysis tasks such as outlier searches, evaluation of potential stratification variables for effectiveness, conversion of space-delimited SAS variable lists to comma delimited SQL variable lists, generation of tables of population estimates using varied statistical estimation approaches, etc.

Statistician 1986-1995
USDA - Forest Service, Portland Forestry Sciences Laboratory
USDA -Forest Service, Forest Fire Laboratory; Riverside, CA

Provided statistical, quality control, programming and data management support for researchers working in a variety of disciplines (wildfire management, meteorology, air pollution, ecology, hydrology, plant pathology, recreation sociology, human resource management). Responsibilities included: experimental design; information management; review of research manuscripts and study plans; statistical consulting with researchers; statistical analysis; application development using SAS, SQL, MINITAB, MS-Access, other DBMSs and languages; database design using Oracle CASE*Designer. Developed a 2-day in-house SAS course. Served as EEO counselor and member of regional Civil Rights committee.

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

Responsible for general management of research laboratory; statistical analysis and programming; design and execution of experiments in insect biochemistry, parasitology, insect nutrition; MINITAB and SAS programming; maintenance of insect and aquatic snail experimental colonies.

Projects: Major system development and data processing projects in a variety of application areas. More detailed information available upon request.

References: Available upon request.