

CONRAD G. CARLBERG

CONSULTING STATISTICIAN AND MICROSOFT EXCEL DEVELOPER

• Profile

Nationally recognized expert in Microsoft Excel and relational databases. Extensive experience with all methods of statistical inference including multivariate general linear model, multinomial logistic regression and predictive analytics. Proven track record of applying data management and analysis techniques to solve a broad variety of business problems, from inventory control and budget variances to process control and performance analysis. Particular strengths in:

- Quantitative Analysis
- Decision and Predictive Analytics
- Applied Mathematics
- ActiveX Data Objects (ADO)
- Visual Basic for Applications (VBA)
- Automation from Excel

• Technical Skills

- Experimental design
- Inferential statistics
- Acceptance sampling and process control
- Analysis software: SAS, R, Excel
- Databases: Oracle, SQL Server, Access

• Professional History

President, Network Control Systems, Carlsbad CA, 1995 – 2012

Developed and implemented the following systems for a 500 bed hospital in Southern California (1995 – 2007):

- Statistical process control application to track treatment quality measures, from data identified via cluster analysis in hospital's operating systems
- Method to share information on doctors' privileges over hospital's network, restricting sensitive information such as DEA numbers to authorized users
- Participation on hospital's IRB for experimental design and statistical analysis
- Database to define and track and control Engineering Department's maintenance tasks and new projects; online reporting and response to trouble tickets
- Database design for tracking of ongoing treatment provided by thoracic surgeons, cardiologists and burn specialists
- Data mining of substance abuse specialists and facilities in Southern California for referrals to newly established hospital clinic

Sample of corporate activities outside health care industry (1994 – 2011)

- Asset Management via Regression Analysis

Advised an asset management firm concerning its effort to replace a Modern Portfolio Theory product. Devised a returns sampling method to conform to the mathematical assumptions of regression analysis, resulting in more robust asset allocations.

- End User Applications

Created an automated bid system for a major HVAC/CAD software publisher, based on Excel's external data query and pivot table capabilities. Extract parts and specifications from the CAD tables and assembles suppliers' bids to derive the mix that minimizes the contractor's project costs.

- Software Development

Design, create and market software that enables CRM and financial analysis by users of QuickBooks Premier and Enterprise editions.

Director, Inventory and Data Product Management, Regional Bell Operating Company, Denver Colorado (1986 – 1993)

Managed ten direct reports who developed company's data communications product line and controlled inventory levels for all resale products. Reduced resale inventory level from \$24 million to under \$10 million in 18 months. Led the development of a data communications product line. Negotiated resale agreements. Oversaw product rollouts and ongoing product management.

- Education:

PhD, Statistics, University of Colorado
MA, Psychometrics, University of Colorado
BA, Anthropology, Oberlin College

- Publications

Predictive Analytics: Microsoft Excel 2010, Que, 2012
Statistical Analysis: Microsoft Excel 2010, Que, 2011
Business Analysis with QuickBooks, Wiley, 2009
Excel for Accountants, CPA911 Publishing, 2007
Excel Sales Forecasting for Dummies, Wiley, 2005
Excel 2002: The Complete Reference (with Kathy Ivens), Osborne/McGraw Hill, 2001
Excel 2000: The Complete Reference (with Kathy Ivens), Osborne/McGraw Hill, 1999
Microsoft Office Expert Solutions, Que, 1996
Managing Data with Excel, Que, 1995 (subsequent edition 2004)
Business Analysis with Excel, Que, 1995 (subsequent editions 2004, 2007, 2010)
The Excel 5 Professional Solutions Guide, New Riders Publishing, 1994
