

DAVID KANTOR

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EDUCATION

1992 New York University, M.S. Computer Science.
1980 State University of New York at Stony Brook, M.A. Mathematics.
1978 Dartmouth College, A.B. Mathematics.

PROFESSIONAL EXPERIENCE

September, 2005 to present: Independent Consultant, working mostly in collaboration with Data for Decisions. Construct and analyze datasets for use in legal cases. Work with administrative records; reshape and combine them into a form suitable for analysis.

1993 to 2005: The Johns Hopkins Institute for Policy Studies; Senior Programmer/Data Analyst. Responsible for technical aspects of data handling and analysis for several social science research projects. Maintained in-house data sets. Constructed complex data sets for analysis purposes, often restructuring and recombining data from different sources. Developed tools for handling and converting data in various forms and to solve problems occurring therein. Worked on a large address-matching project. Prepared tabulations and statistical analyses. Gained familiarity with several publicly-available dataset, including the Panel Study of Income Dynamics, the American Housing Survey, the Current Population Survey, decennial Census data, and other Census products. Gained experience with geographic concepts.

1992 to 1993: The Johns Hopkins School of Hygiene and Public Health; Software Engineering Consultant for the Population Center and the Department of Population Dynamics. Created a program to draw lexis diagrams (graphs of populations) for use in teaching demography concepts; developed an interactive graphic user interface. Rewrote a data management facility, porting it from a PC to a Sun; revised its control language and implemented a small compiler. Wrote a file-merge facility; designed and implemented its control language. Provided user training and wrote user documentation for the three major programs. Worked on data analysis projects. Installed and helped evaluate networking and xterm emulation software. Installed peripheral hardware on Sun workstations.

1989 to 1992: Bank Austria, New York branch; Programmer/Analyst. Maintained database software for an international banking system, including Commercial Loans, Money Market, Foreign Exchange, and Options and Futures. Corrected, optimized and enhanced many existing banking application programs. Wrote many report programs; revised many so as to significantly improve their speed. Worked with users to determine requirements. Designed and implemented several major enhancements including the Loan Renewal and Limits Exchange systems. Provided on-call production support.

1986 to 1988: Manufacturers Hanover Financial Management Systems; Programmer/Analyst. Maintained the Interplex Investment and Debt Management systems. Restructured and debugged existing programs. Revised and corrected algorithms, including calendar and interest calculations. Supervised integration of system upgrades and releases. Worked with customers to determine requirements for enhancements and corrections.

1983 to 1986: Chase Manhattan Bank; Programmer/Analyst. Helped design and create the SWIFT Internal Processor, a system for capturing and routing international money transfer messages. Designed and wrote test tools, data dump and load facilities, report programs and an encryption algorithm. Improved the automatic message correction facility. Implemented system upgrades and supervised cutover procedures. Performed integration and acceptance tests. Provided on-call production support.

1981 to 1982: Martin Marietta Aerospace, Denver; Software Engineer. Worked on software verification, analysis, and upgrade planning. Wrote part of the user interface for a communications network.

PROGRAMMING LANGUAGES, OPERATING SYSTEMS, TECHNICAL SKILLS

Stata (with SMCL), Delphi, Pascal; past experience with C, Fortran, SAS, SPSS, Paradox, SQL, Nexsys/Entia, Subject (a database access language), VMS, Unix, VM-CMS, VAX-Macro, OpenWindows.

MISCELANEOUS

Presented “Three-Valued Logic Operations in Stata” at the North American Stata User’s Group Meeting, Boston, March, 2001.

Coauthored (with Nicholas J. Cox) “Depending on conditions: a tutorial on the cond() function” in The Stata Journal (2005) 5, number 3.

PERSONAL

Married, with 12-year-old child. Licensed foster parent for the Baltimore City Department of Social Services. Play viola, horn, piano; perform for folk music and dance events; write music arrangements. Other interests: woodworking, gardening, bike-riding.