

Joseph George Caldwell, PhD (Statistics)
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Professional Profile: Career in management consulting, system development, research, and teaching. Directed projects in strategic planning, policy analysis, program evaluation, economics, public finance, statistics, operations research / systems analysis, and information technology for US, state and foreign governments, and US and foreign organizations. Areas of expertise include health, education, vocational rehabilitation, welfare, public finance (tax policy analysis, cost-benefit analysis, Medicaid and AFDC financing), agriculture, civil rights, economic development, energy, environment, population, and defense (US Army, Navy, Air Force, Department of Defense). Considerable overseas experience. Specialist in design of sample surveys for program monitoring and evaluation.

Education: PhD, Statistics, University of North Carolina at Chapel Hill (1966)
BS, Mathematics, Carnegie Mellon University, Pittsburgh, PA (1962)
Graduate of Spartanburg High School, Spartanburg, SC (1958)

Publications: Author of articles and books on diverse topics (e.g., population, environment, economics, politics, defense and music), including *Statistical Methods for Monitoring and Evaluation: A Comprehensive Survey Course* (2016); *The Value-Added Tax: A New Tax System for the United States* (1987); *The Late Great United States* (2008); *Can America Survive?* (1999); *Mathematical Theory of Global Nuclear War* (2001); *A Lagrangian Approach to Customer Relationship Management: Variable-Rate Pricing Strategy* (2006); *How to Play the Guitar by Ear (for mathematicians and physicists)* (2000). See Internet website <http://www.foundationwebsite.org> to view these and other publications.

Positions:

2005- Statistical Consultant, Tucson, Arizona, and Spartanburg, South Carolina, USA. Consultant on research design for impact evaluation of development projects (assignments in Bahamas funded by Inter-American Development Bank; in Jamaica funded by Jamaica Ministry of Labour and Social Security; in Honduras, Namibia and Ghana funded by Millennium Challenge Corporation); also system development work in Guinea and Liberia funded by US Agency for International Development, and in East Timor funded by the United Nations Development Program).

2001-2005 Management Consultant / System Developer, Clearwater, Florida. Information system development work in Zambia (funded by US Agency for International Development).

1999-2001 Director of Management Systems, Bank of Botswana (Botswana's central bank).

1991-1998 Management Consultant / Statistician / Information System Developer, Clearwater, Florida. Clients included First Union National Bank (Wachovia, Wells Fargo), Charlotte; US Agency for International Development, Egypt, Malawi, Ghana; Asian Development Bank, Bangladesh; Canada Trust Bank, Toronto, Canada.

1989-1991 President, Vista Research Corporation, Tucson, Arizona. Research in artificial intelligence for noncommunications electronic warfare systems (work on automated scenario generation, funded by US Army Communications-Electronic Command).

1982-1989 Director of Research and Development and Principal Scientist, US Army Electronic Proving Ground's Electromagnetic Environmental Test Facility / Bell Technical Operations and Combustion Engineering; Adjunct Professor of Statistics, University of Arizona; Principal Engineer, Singer Systems and Software Engineering; Tucson and Sierra Vista, Arizona.

1964-1982 Consultant or employee to firms in South Carolina, North Carolina, Virginia, Maryland, District of Columbia, Haiti, Philippines.

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