Scott David Orr
Research Scientist
17591 Barron Heights Rd.
Dumfries, VA 22025-2020
(830) 556-6179, sdorr@mtknife.net

PROFESSIONAL PROFILE

Passionate, hard-working social science researcher with 15 years of practice in professional research, quantitative analysis, and statistical software, and strong writing and communication skills

- Designed and executed multiple research projects that asked and answered novel questions on social and behavioral topics. In one project on ethnic identity, integrated data from four cross-national surveys conducted in six countries, as well as qualitative field interviews with leaders in three of those countries.
- Created written products on technical issues for a variety of audiences.
- Published 6 articles and presented 6 conference papers.
- Briefed clients and provided regular progress reports.
- Used statistical analysis applications, including *SPSS*, *NCSS*, *LISREL*, *Amos*, *Mplus*, *EQS*, and *gretl*, to deliver actionable insights. Cleaned and recoded databases, and analyzed multiple regression, structural equation, time series, and analysis of variance (ANOVA) models.
- Analyzed and applied survey data, and taught students to carry out their own survey research projects.
- Designed, wrote, and edited an online course on culture for the U.S. Marine Corps on a tight deadline, as part of a three-person leadership team directing a group of 20 professionals, including content creators.
- Played a lead role in a two-year project to restructure Texas Lutheran University's political science curriculum, in order to provide graduates with the quantitative skills they need in the modern workplace.
- Took the initiative to learn data science methods, including machine learning and social network analysis, SQL and XML database queries, FORTRAN, MATLAB/Octave, and R, and *Gephi* and *NetLogo* for data visualization.
- Operated successfully in multicultural environments, carrying out research in four foreign countries, teaching a bilingual population, and traveling on business to Canada, Estonia, Latvia, Poland, Russia, and Ukraine. Traveled for personal reasons to seven other European and Asian countries.
- Studied five foreign languages, and used them in research.
- Obtained a Secret security clearance (now inactive).

RECENT PROFESSIONAL EXPERIENCE

Operational Culture Social Scientist, ProSol, LLC, Triangle, VA   5/2013-12/2013
- Developed a distance-learning operational culture familiarization course included in the required professional education of U.S. Marine Corps first lieutenants and sergeants, as part of the Regional, Culture, and Language Familiarization program of the USMC's Center for Advanced Operational Culture Learning (CAOCL) at Marine Corps Base Quantico.
- Wrote the content for a culture general module that will act as the foundation for Marines to learn about operational culture throughout their careers.
- Supervised the work of eight subject matter experts using the culture general approach to develop modules that cover different regions of the world.
- Provided regular progress briefs to the client.
- Acted as liaison to the social scientists of the USMC's Translational Research Group.
- Wrote content for the Eastern Africa, South Asia, Southeast Asia, and Trans-Caucasus modules.

Freelance Writer   11/2012-present
- Writing *The Aspirational Data Scientist* (http://newdatascientist.blogspot.com), a blog for social scientists who want to become data scientists.
- Writing online technical content, including guides to rooting Android devices.

PROFESSIONAL DEVELOPMENT

Massive Open Online Courses   3/2013-7/2013
- Machine Learning (Coursera/Stanford University)   7/2013
    o Neural networks, support vector machines, clustering, MATLAB/Octave
- Social Network Analysis (Coursera/University of Michigan)   5/2013
    o Centrality, clustering, small world models, contagion, *Gephi*, *NetLogo*, R
- Foundations of Business Strategy (Coursera/University of Virginia)   4/2013
- Introduction to Databases (Stanford Class2Go)   3/2013
    o SQL, XML (XPath, XQuery, XSLT), JSON, UML, OLAP, NoSQL

EDUCATION

Ohio State University   6/2005
Ph.D., Political Science, GPA: 3.83
- Major in Comparative Politics, Minor in Political Psychology

Patterson School, University of Kentucky   12/1994
M.A., Diplomacy and International Commerce, GPA: 3.90
- Major in Political & Economic Development, Minor in East Central Europe
- Coursework that included economics, marketing and accounting

Georgia Institute of Technology   6/1992
B.S., Applied Psychology and B.S., International Affairs, GPA: 3.75 (Highest Honors)
- Certificate in Public Policy

PAST PROFESSIONAL EXPERIENCE

Assistant Professor, Texas Lutheran University, Seguin, TX   8/2008-5/2012
- Taught courses in survey and statistical methods (including use of statistical packages and MS Office applications), comparative politics (including Africa, Europe, Latin America, East Asia, and a study abroad course to Estonia and Russia), international relations, American politics, and political psychology, as well as interdisciplinary courses team-taught with an economist.
- Took a lead role in departmental reorganization and accreditation assessment.
- Supervised student research and writing.
- Served on the International Education and Teacher Education Committees and the Institutional Review Board (for research ethics).
- Spoke at Texas A&M University on the Russian invasion of Georgia and participated in a panel at TLU on the independence of Kosovo.

Visiting Assistant Professor, Emory & Henry College, Emory, VA   8/2007-5/2008
- Taught courses in comparative politics (Europe and Southeast Asia) and American politics.

Visiting Assistant Professor, University of Wisconsin—Stevens Point, Stevens Point, WI   8/2005-5/2007
- Taught courses in comparative politics (including Eastern Europe, Western Europe, Latin America, and Southeast Asia), American politics, and political theory.

PERSONAL

- Hobbies: board, war, and computer strategy games; competitive model rocketry; Android devices
- Animal lover