



YPetri Mountain near Yalta, Ukraine

J. Marcus Jobe
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edu

Professor,
Decision Sciences



Miami University

Field of Specialization & Expertise:
Statistical Quality Control, Reliability, Design of Experiments

EDUCATION

Ph.D. Statistics (1984), Iowa State University, Ames, Iowa
 M.S. Statistics (1979), Oklahoma State University, Stillwater, OK
 B.S. Physics (1977), University of Central Oklahoma, Edmond, Oklahoma

BOOKS

1. **Jobe, J.M.**, S. Yablonshiy and M. Pokojovy (2006). *English /Ukrainian Glossary of Quality Assurance Terms*, second editon, Yntar Publishing, Cherkassy, Ukraine, pp.1-190
2. **Jobe, J.M.**, S. Yablonshiy and M. Pokojovy (2005). *English /Ukrainian Glossary of Quality Assurance Terms*, Panorama Rinku Publishing, Lviv, Ukraine, pp. 1-180
3. Vardeman, S.B. and **Jobe, J. M.** (2003). *Statistical Quality Assurance Methods*, Ukrainian Language, Kiev National University of Trade and Economics and VIOL publishers, pp 1-255.
4. Vardeman, S.B. and **Jobe, J. M.** (2001). *Basic Engineering Data Collection and Analysis*, Duxbury/Thomson Publishing, pp 1-832.
5. **Jobe, J. M.** and Lerch, C.F. (2001). *Solutions Manual, Basic Engineering Data Collection and Analysis*, pp. 1-412.
6. Vardeman, S.B. and **Jobe, J. M.** (1999). *Statistical Quality Assurance Methods For Engineers*, John Wiley & Sons, pp. 1-561.
7. **Jobe, J. M.** (1999). *Solutions Manual, Statistical Quality Assurance Methods for Engineers*, pp 1-361.

SELECTED ARTICLES

1. **Jobe, J. M.** and Critzer, T. (2007/2008). "Identifying the Unique projection and follow-up runs for k=4 or 5 important Factors from the n=12, 20 or 24-run Plackett Burman Design", forthcoming, *Journal of Data Science*, vol 6, no.2.

2. **Jobe, J. M. and Jobe, T.H.** (2000). "A Statistical Approach for Additional Infill Development", *Energy Exploration & Exploitation*, vol. 18, no. 1, pp. 89-103.
3. **Krehbiel, T.C. and Jobe, J. M.** (1998). "Quality of the Log Transformation for an Incorrectly Assumed Error Structure", *Communications in Statistics: Simulation and Computation*, vol. 27, no. 3, pp. 605-616.

SELECTED GRANTS

1. **Senior Fulbright Scholar, Lviv, Ukraine---Jobe, J. M., 2005-2006.** "Improving Business Decision Making", United States Dept. of State, **Total Project Budget \$38,000.**
2. **Principal Investigator---Jobe, J.M.** "Quality Improvement Methods for Business Instructional Enhancement for Kiev State University of Trade and Economics", pp. 1-100, U.S. Dept. of State, **\$300,000. Fully funded 2000-2003.** Mark Hanna, Georgia Southern Univ. is also part of the grant.
3. **Senior Fulbright Scholar, Kiev, Ukraine---Jobe, J. M., 1996-1997.** "Management and Statistics Enhancing Reform" (MASTER), pp. 1-20, United States Information Agency, **Total Project Budget \$35,000.**

SELECTED TEACHING

Recipient of the 1995 Outstanding Teaching Award (selected by the 1995 graduating class of Miami University).



LaVadia, Ukraine



Yalta, Ukraine

PROFESSIONAL EXPERIENCE

1989- 2000 Associate Professor, Miami University, Oxford, Ohio
 1984-1989 Assistant Professor Miami University, Oxford, Ohio
 NASA Consulting, Lewis Research Center, Cleveland, Ohio - Design of Experiments and Data Analysis, Materials and Chemistry Applications, 1991-1996.
 Unit Parts, Oklahoma City, Oklahoma, Statistical Process Control consulting, 1993, 1994, 1995, 1997.
 General Electric Jet Engine Plant - teaching, consulting, Summer 1993.
 Westinghouse consulting - 1991, 1992.

SELECTED HONORS, AWARDS, GRANTS

Order-of-the-Tomahawk Award recipient ----Miami University Wrestling Team
 Selected to be mentor for the Buck Rogers Leadership Program, 1999.
 Nominated as the Outstanding Teacher by member of the 1996 graduating class
 Nominated as the Outstanding Teacher by member of the 1990 graduating class.
 NASA Summer Faculty Research Grant 1991.
 NASA Summer Faculty Research Grant 1990.
 Air Force Office of Scientific Research (AFOSR) Grant 1986-87.
 Summer Faculty Research Participant sponsored by Air Force Office of Scientific Research (AFOSR), 1986.

OTHER SELECTED ARTICLES

Hanna, M. and **Jobe, J.M.** (1996). "The Lot Sizing Decision Including Quality Costs," *International Journal of Quality and Reliability Management*, vol. 13, number 6, pp. 8-17.

Sutter, J., **Jobe, J.M.**, and Crane, E. (1995). "Statistical Design In The Isothermal Aging Of Polyimide Resins," *Journal of Applied Polymer Science*, vol. 57, pp. 1491-1499.

Miller, B., Leissler, G.W. and **Jobe, J.M.** (1993). "Characterization and Durability Testing of Plasma Sprayed Zirconia-Yttria and Hafnia-Yttria Thermal Barrier Coatings," *NASA Technical Paper 3295, Lewis Research Center*.

Jobe, J.M. and David, H.T. (1992). "Buehler Confidence Bounds for a Reliability-Maintainability Measure," *Technometrics*, vol. 34, no. 2, pp. 214-222.

Jobe, J.M. (1988). "A New Reliability and Maintainability Measure and Its Estimation," *Institute of Electrical and Electronic Engineers (IEEE) Transactions on Reliability*, vol. 37, no. 4, pp. 413-420.

Jobe, J. M. (1987). "An Elementary Analysis of Imperfect Discrimination Among Competing Poisson Process Models," *Brazilian Journal of Probability and Statistics*, vol. 1, no. 2, pp. 157-169.

Jobe, J. M. (1987). "Error Rates for Poisson Process Discrimination," *Theory and Methods section of Communications in Statistics*, vol. A16, no. 3, 1987, pp. 647-658.

Jobe, J.M. and Jasper, H. (1986). "A Motivational Tool for the Instruction of Linear Programming Methods," *The International Journal of Applied Engineering Education*, vol. 2, no. 4, pp. 253-256.