

SAIF Z. NOMANI, *Statistician***EDUCATION**

M.S.	University of Florida, Gainesville, Florida	2007	<i>Wildlife Ecology</i>
B.S.	Rutgers University, New Brunswick, New Jersey	2002	<i>Computer Science</i>

PROFESSIONAL EXPERIENCE

2008-Present	<i>Statistician</i> , Western EcoSystems Technology, Inc., Cheyenne, Wyoming		
2007	<i>Wildlife Research Biologist</i> , Florida Cooperative Fish and Wildlife Research Unit		
2005-2007	<i>Research and Teaching Assistant</i> , University of Florida, Gainesville, Florida		
2001-2005	<i>Security Consultant</i> , Constantin Walsh-Lowe LLC		
1999-2001	<i>Student Safety Officer</i> , Mounted Horse Patrol, Rutgers University		
1995	<i>Intern</i> , World Wildlife Federation, Lahore, Pakistan		

SPECIALTY AREAS

Statistics and Wildlife Research: Conducted statistical and ecological analyses and quality control on data from breeding bird surveys, bird and bat fatality surveys, raptor migration surveys, acoustical bat surveys, and transect surveys to determine use and effect of wind power turbines on bird and bat mortality. Conducted analyses of varying levels of hunting pressure on cause specific-mortality rates and survival rates of northern bobwhite in southwest Florida and the influence of supplementary feeding on survival rates of small mammals based on capture-mark-recapture data at the J.W. Jones Ecological Research Center in Georgia. Analyzed and modeled data from field studies to compare the cost and efficacy of four different methods for gopher tortoise abundance estimation and used burrow cameras and a patch occupancy modeling approach to determine probability of burrow occupancy. Conducted simulation studies using MATLAB to determine the effects of length, number, and layout of line transects on density estimates for different spatial distributions and densities of organisms.

Management and Teaching: Managed security projects for Constantin Walsh-Lowe's clients and designed access control and CCTV surveillance systems, developed systems specifications, budgets and proposals, conducted security bid analyses, and final project checkouts while handling all engineering aspects for Walsh-Lowe's Security Consulting department. Provided teaching assistance for *Wildlife Issues* and *Global Biodiversity and Conservation* at the University of Florida.

Computing: Familiar with Program DISTANCE, Program MARK, MATLAB, SAS, JAVA, GPS, AutoCad, MS Access, Sigmaplot.

PUBLICATIONS

- Nomani, S.Z.**, R.R. Carthy, and M.K. Oli. 2009. Accuracy and precision of estimates of abundance obtained from distance sampling along line transects: the influence of spatial distribution and density of objects, and total length, layout and number of transects. *Journal of Environmental Statistics* (under review).
- Nomani, S.Z.**, R.R. Carthy, and M.K. Oli. 2008. Comparison of methods for estimating abundance of gopher tortoises. *Applied Herpetology* 5:13-31.

PRESENTATIONS

2008	The Wildlife Society Annual Meeting	Miami Florida
2006	Florida Chapter of The Wildlife Society, Spring Meeting	Cocoa Beach, Florida
2006	University of Florida, Program of Environmental Statistics	Gainesville, Florida

VOLUNTEER WORK

2006-2007	HOPE – Horses Helping People	Gainesville, Florida
2005	Sri Lanka Care Foundation – Tsunami Relief	Sri Lanka
1998	Prader-Willi Syndrome Association	New Jersey