

Data Science for the Public Good (DSPG) Workforce Development

IDENTIFYING STEM EDUCATION PATHWAYS

Sponsor: Pat Ruggiers, The National Center for Science & Engineering Statistics at the National Science Foundation



EXPLORING MENTAL HEALTH SERVICES FOR FAIRFAX COUNTY YOUTH

Sponsor: Michelle Gregory, Sophia Dutton, and Linda Hoffman, Fairfax Health and Human Services



RESIDENTIAL SMOKE ALARM NEED IN ARLINGTON COUNTY

Sponsor: Battalion Chief Mike Gowen, Arlington County Fire Department



HOW DO EVENTS AFFECT CRIME?

Sponsor: Captain Bruce Benson and Niki Levy, Arlington County Police Department



MODELING THE IMPACT OF OPEN SOURCE SOFTWARE: NETWORK OF R PACKAGES

Sponsor: Carol Robbins, The National Center for Science & Engineering Statistics at the National Science Foundation



DISCOVERING NON-TRADITIONAL DATA SOURCES FOR BUSINESS INNOVATION

Harsimrat Pandher (VT), David Park (VT), Daniel Wilkin (VT), Joseph Kim (VT), Claire Kelling (PSU) with Gizem Korkmaz and Stephanie Shipp (SDAL)

Sponsor: Gary Anderson, The National Center for Science & Engineering Statistics



ANALYZING THE ECONOMIC IMPACT AND SOCIAL INTEGRATION OF REFUGEES IN ROANOKE, VIRGINIA

Claire Kelling (PSU), Kyle Morgan (VT), Craig Morton (VT), Hannah Brinkley (VT), Adrienne Rogers (VT) with Mark Orr, Stephanie Shipp, and Bianca Pires (SDAL)

A STUDY ON WMATA BUS FARE EVASION

Sponsor: Jayne M. Johnson, Catherine Vanderwaart, Washington Metropolitan Area Transit Authority



MODELING RESPONSE TIME FOR STRUCTURE FIRES

Sponsor: Battalion Chief Mike Gowen, Arlington County Fire Department



PROFILE OF NEW KENT, VA

David Park, Joseph Kim, David Hinkle, Lata Kodali (Virginia Tech) with Dr. Carl Frick, Virginia Corporate Extension (VCE) representative.

CREATING SYNTHETIC DATA FOR VIRGINIA LONGITUDINAL DATA SYSTEM

Sean Pili, Kyle Morgan, Ronnie Fesco, and Lata Kodali (Virginia Tech) with Aaron Sander (SDAL)

Sponsor: Tod Massa (SCHEV - State Council for Higher Education in Virginia)



DEFINING AND MEASURING EQUITY IN ALEXANDRIA, VA

Sponsor: Emily Molino, City of Alexandria



PROFILING ARMY BASES



Goal: Identify publicly available data sources (e.g., Census and BLS data) to create social, demographic, economic, and other quantitative profiles of Army bases and their surrounding areas. Identify relevant variables for use in statistical models.
Sponsors: Greg Husarik, Andrew Slaughter, US Army Research Institute for Behavioral & Social Science Research