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BARBARA A. MOROSKI-BROWNE
SENIOR DATA ANALYST

PROFESSIONAL SPECIALIZATION

Risk analysis: real-world performance of vehicles, vehicle components, and other industrial consumer products to measure product risk in the context of similar products and operating environments. Includes database development and cross-database linkages, reliability assessment, survey design and data collection, statistical modeling and analysis, and product safety evaluations.

Specialize in analysis of motor vehicle crash data (NHTSA NASS/CDS, GES, FARS), USCG Recreational Boating Accident Report data, recalls/warranty/consumer complaint data, Federal Motor Vehicle Safety Standards and compliance testing, Federal regulations and rulemaking.

Evaluation research methods: sample surveys, case study (single, multiple), performance audits (economy/efficiency and program audits), statistical sampling, data collection instruments and protocols.

Information management: data acquisition (relational, hierarchical or flat file structures; any operating system/medium), primary and secondary database design and documentation.

Quality assurance: objective and procedural documentation, data validation and testing, referenced results, technical reports.

Public sector: regulatory, statutory, and legislative research and analysis; performance evaluation.

PROFESSIONAL BACKGROUND

Bachelor of Public Affairs (Policy Analysis and Research Methods), Wayne State University

Certified Government Financial Manager, 1995

Advanced training in statistics, database design and analysis, indicator development, survey research, program evaluation, investigative audits, performance standards

Member: American Statistical Association, Society of Automotive Engineers

Past Member, Intergovernmental Audit Forum Peer Review Team, Performance Audit Specialist

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| Senior Data Analyst | Design Research Engineering, 1998 - present |
| Senior Partner | Bardon Kruman Associates, 1995-1998 |
| Senior Evaluator | U.S. Congress, Government Accountability Office (GAO), 1982-1995 |
| Research Assistant | Wayne State University, Department of Political Science, 1981 |

PUBLICATIONS

ATV Rollover, Rider Response, and Determinants of Injury: In-Depth Analysis of Video-Documented ATV Rollover Events, Traffic Injury Prevention, (with C VanEe, D Toomey, M Vander Roest, A. Wilson) 2014.

Evaluation and Refinement of the CRABI-6 Anthropomorphic Test Device Injury Criteria for Skull Fracture, Proceedings 2009 ASME International Mechanical Engineering Congress & Exposition, IMECE2009-2009. 12973 (with D Raymond, K Thibault, W Hardy, J Plunkett, and C VanEe).

Enhanced Vehicle Identification in Motor Vehicle Accident Databases, SAE 2004-01-2004 (with T Angelos, R Firestone, and M Vogler).

Workforce Reductions: Downsizing Strategies in Selected Organizations (GAO/GGD-95-43), March 1995.

Multiple Employment and Training Programs: Information Crosswalk on 163 Employment Training Programs (GAO/HEHS-95-85S), February 1995; Multiple Employment Training Programs: Major Overhaul Needed to Reduce Costs, Streamline the Bureaucracy and Improve Results (GAO/T-HEHS-95-53), January 1995.

PRESENTATIONS

Enhanced Vehicle Identification in Motor Vehicle Accident Databases, Society of Automotive Engineers, 2004 World Congress, Detroit, MI, March 2004 (with M Vogler, T Angelos, and R Firestone).

Leadership and Management Study, Chartered Township of Northville, Michigan, June 1999.

Community Recreation Survey, Northville Parks and Recreation, Northville, Michigan, September 1998.

Secondary Data Analysis, Office of the Auditor General, State of Michigan, Lansing, MI, 1997.

Performance Auditing, Governmental Accounting and Auditing Conference, Sponsored by the Michigan Association of Certified Public Accountants and Michigan Department of Treasury, Troy, MI, 1996 (with D Ingersoll).

List of pre-1995 research and presentations available upon request.