

ANNETTE BOYER

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Statistical Analyst

Expertise Highlights

- Advanced SAS and SPSS
- Java and Visual Basic Programming
- Workflow Documentation
- Survey and Questionnaire Design
- SQL Queries & Data Modeling
- Database Design & Management
- Training and Documentation
- Discriminant Analysis (factor analysis, multiple regression, ANOVA/MANOVA)
- Cluster Analysis (joining, k-means)
- Exploratory Data Analysis/Data Mining

Professional Experience

CONSULTING DATA ANALYST

ADAMS 12 SCHOOL DISTRICT

2013 to 2015

Coordinated October Pupil Count, including complete process mapping and documentation; worked with IT staff in adding new chart fields to PeopleSoft Financials; created new taxonomy for tracking pupil activity funds.

PROGRAMMER/ANALYST

Nurse Family Partnership

2011 to 2013

Provided analytic support to the national headquarters of a health care non-profit with 300 implementing agencies across the country; conduct ad-hoc and on-going analysis of agency performance and patient outcomes using SAS and SQL; work with IT personnel on data cleaning and improvement.

CONSULTING STATISTICAL ANALYST

TechLaw

2007 to 2011

Community Strategies Institute (CSI)

2005 to Present

Provide contract programming, data management and statistical support to the regional office of the US Environmental Protection Agency through TechLaw, and to state and local housing authorities through CSI.

Key Results:

- Worked with a dispersed team of medical researchers to develop occupational, recreational and residential questionnaires to identify pathways for asbestos exposure in patients suffering from pulmonary disease
- Designed and implemented an electronic survey system to record health outcomes and exposure histories among patients with asbestos-related disease, including system documentation and staff training
- Designed and implemented a system to track income restricted properties overseen by the City and County of Denver
- Conducted data gathering and analysis for various transitional and income-restricted housing projects around the Rocky Mountain west
- Managed analytical data from contract laboratories submitted for environmental review, including method validation and review, data warehousing and retrieval and statistical review of risk to human health
- Compiled research results from North Dakota and central Turkey regarding the potential risk of an unregulated mineral fiber in cooperation with the US Geologic Survey and National Institutes of health

Statistical Analyst III

Worked with Federal, State and local agencies to produce Census data and reports, population estimates and forecasts and household projections

Key Results:

- Updated existing population projection models from FORTRAN to Java, including calibration to 2000 Census data
- Served on a national team that created SAS modules used to publish reports from raw Census data for any geographic level
- Developed and implemented web-based ad hoc query systems of population and employment data available to the general public

SUMMIT COUNTY PLANNING DEPARTMENT

1999 to 2001

Planner

Reviewed applications for development projects, conducted public input and made recommendations to elected and appointed officials

Key Results:

- Developed strong skills in communicating complex and often contentious issues through written and oral presentations
- Updated several portions of the County’s legal code, including extensive legal research

CITY OF COLORADO SPRINGS RESEARCH SECTION

1995 to 1999

Researcher

Conducted statistical, geographic and legal research contributing to the City’s planning and development efforts

Key Results:

- Assisted in the planning and implementation of an extensive program to gather public input on open space, capital improvements and transportation issues facing the City
- Created and served on an advisory group to match planned projects to available technical resources

Education

UNIVERSITY OF CHICAGO

AM in Geography, 1990

AMERICAN UNIVERSITY

BA in International Developmental Economics 1988

Technology Summary

Applications: SPSS, SAS, Microsoft Office Suite, ColdFusion, ESRI ArcView

Systems: Windows, UNIX, VMS

Languages: Java, SQL, Visual Basic.Net, Visual Basic for Applications (VBA), HTML, JavaScript, FORTRAN, PERL