Joshua Myers

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SUMMARY

Knowledge, skill, and experience in Applied Statistics, particularly in the Computer-Assisted Mass Appraisal field.

KNOWLEDGE AND SKILLS

Statistics

- General knowledge of advanced statistics, probability, and mathematics.
- Expertise in applying regression modeling and spatial statistics to real-world assessment jurisdiction data.

Software

- Statistical: R, NCSS, Minitab, and SAS
- Database: Microsoft SQL Server, Crystal Reports, and Microsoft Access
- Software Design, particularly in regard to Computer-Assisted Mass Appraisal systems

WORK EXPERIENCE

CAMA Modeler Analyst   2008 - 2011
City of Norfolk, Va

- Primary responsibilities included the design of regression modeling methodology, strategy, and implementation.
- Also, assumed responsibilities included SQL programming and general office problem solving.

Business Systems Analyst   2011 – 2013
Thomson Reuters: Tax and Accounting – Government Division

- Primary responsibilities included the software design of key aspects of the company's next-generation Computer-Assisted Mass Appraisal (CAMA) software, including the multi-faceted Regression Valuation Tool, the Ratio Study Tool, the Sales Set Building Tool, and the Time Analysis Tool.
- Additional responsibilities included presenting research at conferences, preparing to support clients with model-building, and answering general statistical questions.

EDUCATION

Western Branch High School	**University of Virginia**	**University of Virginia**
Chesapeake, Va.	*Charlottesville, Va.*	*Charlottesville, Va.*
- Class of 2001	- Class of 2005	- Class of 2007
- Advanced Diploma	- Bachelor of Science	- Master of Science
- GPA: ~4.6/4	- Double Major: Physics and Math	- Field: Statistics
	- GPA: 3.319/4	- GPA: 3.468/4

PUBLICATIONS

Using Geographic Attribute Weighted Regression for CAMA Modeling   2010
Journal of Property Tax Assessment and Administration

- Co-authored with Wayne Moore, PH.D.
- Applied a modified form of geographically weighted regression to widely-used test data, widely-used Fairfax County data, and local City of Norfolk data and reported the findings. The new model achieved the best point estimate results in both the test and Fairfax data when compared to other competing models.

PROFESSIONAL ACCOMPLISHMENTS

Recipient of the 2011 IAAO Outstanding Technical Essay Award

- Given for the Essay, "Using Geographic Attribute Weighted Regression for CAMA Modeling."

Member of the Property Tax Assessment and Administration Journal Editorial Review Board

- Responsibilities include periodically reviewing technical essays for publication.

CONFERENCE PRESENTATIONS (*co-presented with Wayne Moore, PH.D.)

Manatron User's Group Conference – 2009*, 2011

GIS & CAMA Technologies Conference – 2010*, 2011*, 2012, 2013

IAAO International Conference on Assessment Administration – 2010*, 2012

IPTI Spatial Analysis Symposium – 2011