

## ERIK NYLANDER

656 Edwardian Lane, Waynesboro, VA 22980

540-447-0838 | [eriknylander@gmail.com](mailto:eriknylander@gmail.com) | <https://www.linkedin.com/in/eriknylander99> |

<https://eriknylander99.github.io/ErikNylander/>

## PROFILE

Mathematics communicator with a strong statistics background and experience in many of the current topics in data science. Passionate about explaining data science and mathematics to non-technical audiences.

## RECENT WORK EXPERIENCE

### **Mathematics Teacher: Staunton City Schools**

**2008-Present**

Taught all levels of mathematics including Calculus and Statistics. Department Head for five years and member of the school's data team. Adjunct instructor for Blue Ridge Community College teaching dual enrollment classes.

### **Mathematics Teacher: Waynesboro City Schools**

**2004-2008**

Taught all levels of mathematics.

### **Mathematics Teacher: Prince George County Schools**

**2001-2004**

Taught entry level mathematics. Head Trainer for the systems transition to online gradebook and lesson planning software.

## TECHNICAL SKILLS

**Machine Learning:** classification, regression, clustering, feature selection, deep learning, natural language processing, network analysis, recommender systems, data visualization, simulation and modeling

**Statistical Methods:** regression models, hypothesis testing and confidence intervals, principal component analysis and dimensionality reduction

**Software and Programming Languages:** Python (scikit-learn, numpy, scipy, pandas, keras with theano, nltk, networkx), R, D3.js, SQL, Neo4j, Simio, Linux, Docker, Microsoft Excel, LaTeX

**Selected Coursework:** Recommender Systems, Machine Learning and Big Data, Web Analytics, Simulation and Modeling Techniques, Business Analytics and Data Mining, Simulation and Modeling Techniques, Knowledge and Visual Analytics, Mathematical Modeling, Probability and Statistics

## EDUCATION

### **CUNY School of Professional Studies**

**Expected, May 2017**

Master of Science in Data Analytics

### **Virginia Tech**

**1999 - 2001**

Master of Arts, Curriculum and Instruction

### **Virginia Tech**

**1995 - 1999**

Bachelor of Science in Mathematics, Minor in Statistics, *Cum Laude*

## OTHER EXPERIENCE

**18 Hours of Graduate Course Work through the University of Virginia and James Madison University (2008-2011):** Earned credit for Adjunct Professor certification.  
**Assistant Football Coach (2002-2014)**