

Elena Palesis

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Education

M.A. in Mathematics; *Wake Forest University, Winston Salem, NC — 2013-2015*

B.S. in Mathematics; *Virginia Commonwealth University, Richmond, VA — 2008-2013*

Objective

I am seeking a data science position that will allow me to develop my analytical skills while solving interesting problems. I wish to expand my knowledge of machine learning and statistical modeling in order to extract meaningful information from large data sets.

The persistence and analytical mindset that have made me a successful mathematician will make me a successful data scientist; I am quick to learn new analytical tools and am highly motivated by challenging problems.

Experience

Network Analysis Consultant, *Virginia Commonwealth University; Aug 2015 - Present*

- Cleaned grant proposal data with MySQL and R
- Used Gephi, R, and Python to gain various insights from this data to help improve the success rate of VCU grant proposals

Teaching Assistant, *Wake Forest University; Winston Salem, NC – 2013-2015*

Lectured, tutored, graded, and/or held weekly recitation sessions for the following courses:
statistics, calculus, linear algebra, discrete math, differential equations, numerical methods, topology, abstract algebra, differential geometry

Graduate Research Student, *Wake Forest University; Winston Salem, NC – 2009–2011*

Worked on classification problems in the field of knot theory, which have numerous applications in graph theory and biology.

Numerical Analysis

Took four courses in numerical analysis. Using MATLAB, Maple, and Mathematica, I implemented various numerical approximation techniques for the purposes of analyzing data and making predictions.

Skills

Languages

Python, MySQL, R

Tools

Mathematica, Matlab, Maple, LaTeX, git, UNIX shell