

# Michael T. Kovarik

---

## PERSONAL DATA

**Phone:** (908) 763 2900  
**Email:** michaelkovarik@outlook.com  
**Web:** www.mkovarik.me  
**GitHub:** mkovarik  
**LinkedIn:** /in/mk8128  
**Citizenship:** United States

## EDUCATION

**Master of Science,** Mathematics (Mathematical Finance)  
Rutgers University, New Brunswick, NJ  
3.67/4.00 GPA  
May 2017

**Bachelor of Arts,** Mathematics  
Rutgers University, New Brunswick, NJ  
3.55/4.00 GPA  
Minor: Computer Science  
May 2016

## SKILLS

**Programming:** Highly proficient in scientific computing with Python, including numerical computing with NumPy and data analysis with pandas, statsmodels, and scikit-learn. Working knowledge of C++, R, and spreadsheet applications. Linux user.

**Mathematics:** Proficient in stochastic calculus, numerical analysis, regression analysis, and time series analysis. Some familiarity with neural nets and other machine learning techniques.

**Finance:** Understanding of derivatives pricing theory (options, fixed income, credit) and computational finance.

## EMPLOYMENT

**Tutor,** 2013 - 2017  
Raritan Valley Community College, Branchburg, NJ  
Helped hundreds of college students succeed in mathematics courses ranging from Basic Mathematics to Differential Equations. Built valuable technical communication skills.

**Teaching Assistant,** Summer of 2013  
Rutgers University, New Brunswick, NJ  
Assisted in the 2013 Rutgers Young Scholars Program in Discrete Mathematics, a residential summer program for mathematically talented students.