

BENJAMIN DRAVES

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<https://github.com/dravesb>

EDUCATION

Lafayette College (August 2014 - Present)

B.S. in Mathematics, Minor in Computer Science

Overall GPA: 3.86 (In Major: 3.80)

Degree expected May, 2017

Alliance High School

Graduated Valedictorian

GPA: 4.0

August 2010 - May 2014

EXPERIENCE

Consulting

Consultant

September 2015- Present

Easton, PA

- Crayola.com- Applied mixed effects models to Crayola sales data to optimize online sales and advise marketing strategies.
- Easton Area Neighborhood Center (EANC)- Designed, piloted, and distributed a public opinion survey to inform future programming of EANC.
- Easton City Schools (ECS)- Analyzed the effects of the Classroom Diagnostic Tool (CDT) on student's Keystone exams to inform circular design of ECS.

Research

Undergraduate Research

June 2015 - Present

Easton, PA

- Treelet Covariance Smoothing with an application in genetic clustering (*ongoing*). Research mentor: Dr. Trent Gaugler. Funded by EXCEL scholarship committee, Lafayette College.
- Tempo of the Times - Conducted original research examining the connection between musical compositions and the social climate. Research was presented at Bucknell Digital Scholarship Conference. Hosted at tempoofthetimes.com.

Github Projects

April 2015-Present

- My other current projects can be found on my blog dravesb.github.io.

RELEVANT COURSEWORK

Mathematics: Transition to Theoretical Mathematics, Differential Equations & Linear Algebra, Vector Spaces, Abstract Algebra, Real Analysis, Complex Analysis

Statistics: Probability, Statistics, Mixed Effect Modeling, Time Series Analysis, Survey Design & Analysis, Operations Research

Computer Science: Introduction to Computer Science, Data Structures and Algorithms, Agent Based Modeling

PROGRAMMING CAPABILITIES

Proficient: Java, R, SAS

Intermediate: Python

Typesetting: Latex, Microsoft Office

ACTIVITIES & HONORS

Pi Mu Epsilon (Mathematical Honor Society)
Founding Member of the Statistics House
Treasurer of the Mathematics Club
Treasurer of College Democrats

March 2015 - Present
August 2015 - Present
August 2015 - Present
August 2015 - Present