Brittany Alexander

Curriculum Vitae

11/03/2017

1   Education

Texas Tech University Mathematics B.S., Minor in Economics   August 2015- May 2018
Honors College
GPA 3.779 (as of 09/01/2017)

2   Research Experience

Undergraduate Researcher   October 2015-Present
Department of Mathematics and Statistics, Texas Tech University

- Studied Bayesian statistical methods for the prediction of the 2016 GOP Nomination Process and 2016 general election

- Focused on using priors from other states in the current election year instead of using previous elections as priors

- Prepared manuscript on the general election model currently under review

- Begin project post-election studying voter behavior in the swing states

3   Presentations

3.1   Oral Presentations

B. Alexander, Leif Ellingson. A Bayesian Statistical Model for the Prediction of the 2016 United States Presidential Election. Texas Tech University Statistics Seminar: Lubbock, TX. October 31, 2016.
B. Alexander, Leif Ellingson. Predicting Elections and Undergraduate Research. Midland College Public Seminar: Midland, TX. October 28, 2016.
B. Alexander, Leif Ellingson, A Bayesian Statistical Analysis of the GOP Presidential Nomination for 2016, March 30, 2016
Texas Tech University Undergraduate Research Conference

3.2   Poster Presentations

B. Alexander, Leif Ellingson. A Bayesian Statistical Model for the Prediction of the 2016 United States Presidential Election. Electronic Undergraduate Statistics Research Conference. November 3rd, 2017.
B. Alexander, Leif Ellingson. A Bayesian Statistical Model for the Prediction of the 2016 United

States Presidential Election. Texas Tech University Undergraduate Research Conference. Lubbock, TX. March 28, 2017.

B. Alexander, Leif Ellingson,A Bayesian Statistical Model for the Prediction of the 2016 United States Presidential Election. Nebraska Conference for Undergraduate Women in Mathematics. Lincoln, NE. February 5, 2017.

4 Research Interests

Bayesian Inference, Social science statistics, Statistical Education, Causal Inference

5 Awards

PRISM Scholar   August 2014, August 2015-Spring 2016

- NSF funded program to encourage students to pursue a career in science in math

- Participated in the 2014 summer REU

- Received scholarship for the 2015-2016 school year

Undergraduate Research Scholar   September 2016-May 2018

- Received funding from Texas Tech Honors College to conduct research

Ali Amir Moez Award for Undergraduate Research   April 2016, April 2017

- Awarded by Texas Tech Department of Mathematics and Statistics for excellence in undergraduate research

Honorable Mention, Undergraduate Statistics Research Project Paper Contest   Spring 2017

- Contest sponsored by the American Statistical Association & the Consortium for the Advancement of Undergraduate Statistics Education

- Paper was on the general Election model for the 2016 Election

6 Professional Organizations and Honor Societies

Mathematical Association of America   November 2016-Present
American Statistical Association   January 2017-Present
Golden Key International Honour Society   September 2016-Present
Alpha Lambda Delta February 2016-Present
Phi Eta Sigma   February 2016-Present