

# Nataša Dragović

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## EDUCATION

### University of Texas at Austin, Austin, Texas, USA

- Doctor of Philosophy (Ph.D.) in Mathematics Aug 2014 –
  - Advisor: Professor Francois Baccelli
  - Research areas: Probability, stochastic geometry, opinion dynamics, dynamical systems

### Massachusetts Institute of Technology, Cambridge, Massachusetts, USA

- Bachelor of Science (B.S.) in Mathematics Sep 2010 – Jun 2014
  - Minor in economics

## RESEARCH EXPERIENCE

### Undergraduate Research Opportunities in Economics, MIT, MA

- Undergraduate Research Student, Jun 2013 – Aug 2013
  - Project: Applying counterfactual analysis to decomposing the changes in wage inequality from 1980-present
  - Supervisor: Professor Victor Chernozhukov
  - Research areas: Inference, counter-factual distribution, statistical analysis, data analytics.

### The Abdul Latif Jameel Poverty Action Lab, MIT, MA

- Undergraduate Research Student, Sep 2013 – Feb 2014
  - Project: Preparing J-PAL data for public use by replicating analysis and creating summary statistics of several research papers
  - Supervisor: Professor Esther Duflo
  - Research areas: Statistical analysis, data analysis in STATA.

### MISTI Germany, University of Erlangen, Germany

- Guest student at the dr. Karl Remeis Observatory, Jun 2012 – Aug 2012
  - Project: Optimizing the analysis of star spectra for run-away stars
  - Supervisor: Andreas Irrgang

## TALKS

- *Poisson Descending Chains*, Junior Probability seminar, UT Austin, Nov 2017
- *Introduction to Bond Percolation on  $Z^2$* , Junior Probability Seminar, UT Austin, TX Mar 2017
- *Introduction to Opinion Dynamics*, Junior Probability Seminar, UT Austin, TX Nov 2016
- *Cube and its Magic*, Saturday Morning Math club, UT Austin, TX Oct 2015
- *Dynamics on billiards*, Sophex Seminar, UT Austin, TX Nov 2014

## TEACHING EXPERIENCE

- **Coach - USA Astronomy and Astrophysics Organization (USAAAO)**, Apr 2019 – Aug 2019
- **Sanger Center - Calculus midterm reviews**, UT Austin, TX Sep 2018 – May 2019
- **Coach - USA Astronomy and Astrophysics Organization (USAAAO)**, Jun 2018 – Nov 2018
- **Mentor - Directed Reading Program**, UT Austin, TX Feb 2018 – May 2018
- **Sanger Center - Calculus refresher course**, UT Austin, TX Jan 2018 – Jan 2018
- **Teaching assistant - Multivariable Calculus**, UT Austin, TX Sep 2017 – Dec 2017
- **Mentor - Directed Reading Program**, UT Austin, TX Sep 2017 – Dec 2017
- **Sanger Center - Calculus refresher course**, UT Austin, TX Sep 2017 – Sep 2017
- **Mentor - Directed Reading Program**, UT Austin, TX Feb 2017 – May 2017
- **Mentor - Directed Reading Program**, UT Austin, TX Sep 2016 – Dec 2016
- **Teaching assistant - Undergraduate Probability**, UT Austin, TX Aug 2016 – Dec 2016
- **Mentor - Directed Reading Program**, UT Austin, TX Jan 2016 – May 2016
- **Teaching assistant - Multivariable Calculus**, UT Austin, TX Jan 2016 – May 2016
- **Teaching assistant - Multivariable Calculus**, UT Austin, TX Aug 2015 – Dec 2015
- **Teaching assistant - Multivariable Calculus**, UT Austin, TX Aug 2014 – Dec 2014
- **Lab assistant - Introduction to EE and CS**, MIT, MA Feb 2012 – May 2012
- **Tutor - MIT Office for minority education**, MIT, MA Oct 2010 – May 2011

- CONFERENCES ATTENDED**
- Joint Mathematics Meeting (JMM), Baltimore, MD Jan 2019 – Jan 2019
  - Montréal summer workshop: challenges in probability and mathematical physics, University of Montreal, Canada Jul 2018 – Jul 2018
  - DRP Workshop 2018, MIT, MA May 2018 – May 2018
  - Austin-TAMU Probability and Related Fields, Texas A&M, TX Nov 2017 – Nov 2017
  - Dynamics, aging and universality in complex systems, NYU, NY Jun 2017 – Jun 2017
  - Texas Women in Math Symposium, UT Austin, TX Nov 2016 – Nov 2016
  - Summer school in Probability, Northwestern, IL Jul 2016 – Jul 2016
  - Stochastic Networks conference, UCSD, CA Jun 2016 – Jun 2016
  - Opinion dynamics conference, UT Austin, TX Jun 2016 – Jun 2016
  - Simons Conference on Random Graphs Processes, UT Austin, TX May 2016 – May 2016
  - New Developments in Probability, Northwestern, IL May 2016 – May 2016
  - Simons Conference on Networks and Stochastic Geometry, UT Austin, TX May 2015 – May 2015

- LEADERSHIP POSITIONS**
- President of the USA Astronomy and Astrophysics Organization Dec 2018– Oct 2019
  - Organizer of the Undergraduate Directed Reading Program in Mathematics Sep 2016– May 2018
  - Coach for the USA Astronomy and Astrophysics Olympiad team Feb 2018– Oct 2018

- AWARDS HONORS**
- Fellowship from the University of Texas at Austin- Mathematics Department Jan 2015– May 2015
  - One gold and three silver medals at the International Astronomy Olympiads

- LANGUAGES**
- Serbian: Native language.
  - English and Russian: Fluent (speaking, reading, writing).
  - Portuguese and German: basic (speaking, reading, writing).

**SKILLS**       $\LaTeX$ , MATLAB, Python, STATA.

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