

# Anastassia Kornilova

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## Education

2012-2016 **BS in Computer Science, Carnegie Mellon University, Pittsburgh, PA, GPA: 3.81 / 4.00,**  
Minor: Language Technologies.

Fall 2016 **University of Edinburgh, Edinburgh, Scotland.**

## Honors and Awards

Spring 2016 Phi Beta Kappa

## Work Experience

June 2017 - **Data Scientist, FiscalNote, Washington, D.C.**

Present Developing and supporting a variety of applications on legislative and regulatory data using ML and NLP techniques.

### Key Accomplishments:

- Led the creation of a custom topics taxonomy for government policies:
  - Created metrics and QA tasks for [Blah] to evaluate the precision and comprehensiveness of taxonomy on legislation.
  - Created and evaluated methods to label documents with the new topics, including ElasticSearch percolators and ML classifiers.
  - Collaborated with Research Engineers to ship the topic labeling library to production.
  - Prototyped new analytics features for users based on the taxonomy.
- Lead redesign and implementation of new client-facing analytics that summarize key details of legislation metadata.
- Created and maintained online micro-service architecture for online predictive algorithms. This new system, which was part of an engineering infrastructure redesign, updates as documents process and replaces older batch update system.
- Researched new methods for analyzing legislation and regulations.

Spring 2016 **Teaching Assistant, Carnegie Mellon, Pittsburgh, PA.**

- Served as a Teaching Assistant for Professor Platzer (15-424 Introduction to CyberPhysical System)
- Designed and graded biweekly homework assignments; hosted weekly office hours and assisted students online; and provided feedback on exams and curriculum to professor.

Summer 2015 **Data Science Intern, Khan Academy, Mountain View, CA.**

- Analyzed complex data from Bay Area user engagement event (Learnstorm) and created recommendations for future iterations of the project.
- Built a prototype of a personalized recommendation email to encourage re-engagement with the site.

## Research

Summer 2018 Anastassia Kornilova, Daniel Argyle, and Vlad Eidelman. 2018. Party matters: Enhancing legislative embeddings with author attributes for vote prediction. In Proceedings of ACL.

Summer 2018 Vlad Eidelman, Anastassia Kornilova, and Daniel Argyle. 2018. How Predictable is Your State? Leveraging Lexical and Contextual Information for Predicting Legislative Floor Action at the State Level. In Proceedings of COLING.

## Leadership and Volunteer Experience

May 2017 - **Teaching Assistant, Technology Education and Literacy in Schools.**

Spring 2018 ○ Assist high school teacher of AP Computer Science Principles by answering students questions during lab time and providing feedback on curriculum.

## Technical skills

Languages Python, SQL

Libraries Keras, Scikit-Learn, Pandas