

# Mia Iseman

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Data scientist with a rare skill set: I can build complex technical models and clearly explain the results to any audience. With an academic background in theoretical math and professional experience in education and tech, I'm both a strong leader and individual contributor. My hobbies include improv comedy, puzzle competitions, creating escape rooms, and Ultimate Frisbee.

## TECHNICAL SKILLS

**Data Prep + Modeling:** Python · Pandas · Scikit-learn · NumPy · Gensim · NLTK · Vader · Keras · Statsmodels · OOP · Tensorflow · Spark

**Data Storage + Control:** Github · Git · AWS S3 · SQL · MongoDB · APIs

**Data Visualization:** Matplotlib · Plot.ly · Seaborn · Tableau

**Deployment:** Flask · HTML/CSS · AWS EC2

**Other:** Linux Bash Shell · Camtasia · Absorb LMS · Clarizen · Smartsheet · Salesforce

## TECHNICAL PROJECTS

**Convergence Bot** · [Github](#) · [Live](#)

*A fun word game where a bot predicts what you will say next*

- Researched and acquired 6 billion word corpus and 400,000 vectorized words to represent a human vocabulary
- Mapped 10,000 common words to corresponding vectors to represent a daily human vocabulary
- Created an algorithm that averages the vectors and outputs the closest word vector using cosine similarity
- Built and deployed a Flask webapp at [www.playconvergence.com](http://www.playconvergence.com)

**Overdose Classification** · [Github](#)

*U.S. counties at risk of having a high overdose fatality rate based on county education and internet connectivity*

- Used CenPy to acquire U.S. Census Bureau data and joined it with Center for Disease Control Data acquired through their Wonder tool to engineer the target and feature variables
- Built a logistic regression model and used GridSearch to optimize a Random Forest model to predict overdoses
- Evaluated the models using Area Under the Curve and suggested optimal thresholds to guide stakeholder decisions

**A Song of Vice and Higher** · [Github](#)

*A characterization of presidential nominees through Game of Thrones*

- Accessed the Reddit API to archive thousands of comments about Game of Thrones and politics
- Applied a CountVectorizer to attribute comments to nominees or characters
- Engineered features using Gensim and clustered using unsupervised learning to map characters to nominees
- Scored using cosine similarity to map characters to nominees to make a more compelling model

## PROFESSIONAL EXPERIENCE

**uStudio** · Austin, Texas · **Implementation Consultant** · Jul 2018 – Apr 2019

- Served as primary Project Manager on three phases of project metrics and milestones for the client's new intranet website
- Designed user stories and user acceptance tests and notified team of red flags to increase sprint efficiencies
- Communicated with all stakeholders despite differing goals, companies, departments, and systems

**Spreadfast** · Austin, Texas · **Team Lead + Senior Instructional Trainer** · Aug 2014 – Apr 2018

- Served as platform expert for all products, and created and managed customer-facing documentation and certification videos
- Designed and facilitated hundreds of onsite and remote trainings, and performed some trainings in Spanish
- Managed five direct reports with varying skill sets through onboarding, goal-setting, performance plans, and promotions.
- Revamped community outreach program and won a city-wide competition twice in three years, earning over \$30,000 for charity
- Earned the 2018 Red Pants Award given to employees for excellence in work performance

**KIPP Austin Collegiate High School** · Austin, Texas · **Course Leader + Teacher** · Jul 2011 – Jun 2014

- Developed curriculum, scope and sequence, unit plans, and lessons for Geometry as well as the district's first AP Calculus course
- Supported economically disadvantaged students academically, socially, and emotionally, leading to a 95.3% passing rate on the 2013 STAAR End of Course Geometry test, compared to the 86.2% state average

## EDUCATION

**Flatiron School** · Seattle, WA · **Data Science 15-Week Immersive Bootcamp** · Jul 2019

**New York University** · New York City, NY · **Bachelor of Arts in Mathematics and Spanish** · May 2007

Magna Cum Laude · President's Service Award · Top-10 National Athletic Award