

# ISAAC J. HABERMAN

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## EDUCATION

**Carnegie Mellon University** Pittsburgh, PA

**August 2013 - May 2017**

Bachelor of Science in Statistics (GPA: 3.3/4.0)

Humanities Scholars Program

## SKILLS, LANGUAGES, PACKAGES

- R, Ggplot2, Minitab, L<sup>A</sup>T<sub>E</sub>X, Python, Pandas, MySQL, Beautiful Soup, Numpy, Scikit-learn
- Fluent in Hebrew, Conversational in Arabic

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## RELEVANT CLASSES

- Have taken: Advanced Data Analysis, Statistical Graphing and Visualizations, Practical Data Science
- Currently Enrolled: Data Mining, Undergraduate Research

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## WORK EXPERIENCE

- **C&C Trading LLC** *Statistical Analysis Intern: Greenwich, CT* **Summer 2016**
  - Developed a dynamic algorithm for modelling ETFs in major American markets used in production
  - Taught junior and senior traders with minimal statistics experience the R programming language and relevant statistical reasoning and practices
  - Performed statistical testing comparing basic statistical models and advanced machine learning algorithms
- **Komoona** *Data Scientist and Statistician Intern: Tel Aviv, Israel* **Summer 2015**
  - Performed exploratory data analysis, statistical analysis and modeling
  - Demonstrated to company executives the difference in behavior of mobile and non-mobile ads
  - Developed an algorithm in R that accurately predicts advertisement data for a day based on its listed period
- **Carnegie Mellon University** *Teaching Assistant: Pittsburgh, PA* **Fall 2014**
  - Oversaw 60 students in the introductory statistics class 36-201: Statistical Reasoning and Practice
  - Helped humanities students develop foundational skills with the statistical software Minitab through guided tutorials
  - Graded weekly homeworks and exams

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## PROJECTS

- **Tartan Data Science Cup** *Bike Share Analysis* **Spring 2016**
  - Won 3rd Place in the 1st annual competition
  - Analyzed Citibike data and identified two possible locations for new bike posts in Manhattan
- **Practical Data Science** *DOTA Data Analysis* **Fall 2016**
  - Co-wrote a data science project analyzing matches for the video game Defense of the Ancients (DOTA)
  - Used data from Feedless to develop models for best predicting victory in DOTA matches
- **Practical Data Science** *ggplot Tutorial* **Fall 2016**
  - Wrote a comprehensive tutorial for the python package ggplot
  - Taught multitudes of other students how to use ggplot
- **Diplomacy and Statecraft** *Coup Modeling* **Fall 2016**
  - Wrote and tested a few models for predicting the onset of coups d'etat
  - Presented the work to former research director of the Political Instability Task Force
- **www.isaachaberman.com**

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## ACTIVITIES

- **Alpha Epsilon Pi** *President and Vice-President* **Fall 2014 - Fall 2016**
  - Supervised the construction of award-winning Booths, a two story structure
  - Directed, wrote, and managed two award winning plays in the annual musical competition, Greek Sing
  - Oversaw the day-to-day operations, including ceremonial and disciplinary procedures, on the five-member Executive Board
- **Hillel JUC and Jewish Students Association** *VP of Sabbath and Holidays, General Board Member*
  - Oversaw a multi-million dollar organization's involvement with student life on campus
  - Wrote the encompassing mission statement for a diverse organization representing many different interests