

Drew Conway is a leading expert in the application of computational methods to social and behavioral problems at large-scale. **Drew is the Head of Data at Project Florida**, and has been writing and speaking about the role of data — and the discipline of data science — in industry, government, and academia for several years.

Drew has advised and consulted companies across many industries; ranging from fledgling start-ups to Fortune 100 companies, as well as academic institutions and government agencies at all levels. Drew started his career in counter-terrorism as a computational social scientist in the U.S. intelligence community.

Current Engagements

- **Project Florida**

Project Florida is focused on harnessing and interpreting large volumes of data that will help improve health outcomes and empower people to lead healthier lives. As Head of Data I run the team responsible for developing and delivering this results.

- **NYC Analytics**

Currently serving as the Senior Advisor to NYC's Mayor's Office of Data Analytics. Providing mission-critical technical, methodological, and strategic advisement to the leadership and analytical staff.

- **DataKind**

Co-founder of DataKind, a non-profit organization that brings together leading data scientists with high impact social organizations through a comprehensive, collaborative approach that leads to shared insights, greater understanding, and positive action through data in the service of humanity. Currently serving as Board chairperson.

- **DataGotham**

Co-founder of DataGotham, an organization focused on supporting the NYC data community. The conference is an annual event that consists of intense discussion, networking, and sharing of wisdom from people across all industries that work with data.

- **IA Ventures**

Currently serving as a special advisor to IA Ventures, an investment firm supporting companies that create competitive advantage through data; working with entrepreneurs and technologists to better leverage their data into products.

Advisees

- **Mortar Data**

Mortar Data develops a platform to democratize the application of high-scale data science.

- **yhat**

yhat develops and a cloud and on-premise solution for deploying and hosting predictive models.

- **Reonomy**

Reonomy is building a tool to provide insight into the world's most opaque markets.

Education

- **New York University**, New York, NY USA
Ph.D., Department of Politics (May, 2013)
 - Dissertation: “Applications of Computational Methods in Political Science”
 - Advisor: Michael Laver
 - Committee: Neal Beck, Shanker Satyanath, Cyrus Samii, Jennifer Larson
- **Hamilton College**, Clinton, NY USA
B.A., Double Major: Political Science & Computer Science (May, 2004)

Publications

- Books
 - *Machine Learning for Hackers*. O’Reilly Media, February, 2012.
- Articles
 - “Data Science in the U.S. Intelligence Community,” *IQT Quarterly*, Spring, 2011.

Research and Working Papers

- Methods for Collecting Large-scale Non-expert Text Coding (May, 2013)
- Crowd-sourced data coding for the social sciences: massive non-expert human coding of political texts; with Kenneth Benoit, Michael Laver, and Slava Mikhaylov (April, 2012) - (Working Paper)
- Modeling Network Structure Using Graph Motifs (May, 2011) - (arXiv)
- Networks, Collective Action, and State Formation (December, 2010) - (SSRN)

Awards and Honors

- Recipient of Student Fellowship for contributions to scientific Python by the Python Foundation (2011)
- Selected for U.S. Department of Homeland Security Graduate Fellowship (May, 2008)
- Selected for Phi Sigma Alpha, National Political Science Honor Society (May, 2004)
- Rusty Smith Memorial Teaching Prize in Computer Science, Hamilton College (August, 2003)
- Arthur Levitt Scholar, Hamilton College (January, 2003)

Activities Prior to Graduate School

- Worked with classified U.S. government agency to develop a process for analyzing leadership emergence in covert network. The study combined structural knowledge of these networks with personality and physical trait data associated with leadership emergence gleaned from intelligence reporting. (2007-2008)

- Worked with classified U.S. government agency to develop a new methodology for analyzing banking networks geospatially. Then, delivered a finished intelligence product using the methodology to analyze a specific Asian country's global banking network. (2008)
- In conjunction with the University of Iowa and Cornell University to perform research for the Defense Advanced Research Projects Agency's (DARPA) Defense Science Office (DSO) into the applicability of using massively multiplayer online games (MMOG) for modeling and investigating social science problems related to national security. The experiment tested conflict escalation and de-escalation through a game theoretic coordination simulation using human participants. (2007-2008)
- Participated in the Office of Naval Research's (ONR) Proactive Intelligence (PAINT) research initiative. As part of a large research collation made up of several university and industry leaders, researched and developed a stochastic model for assessing and simulating the evolution of dynamic social networks. As part of this team, I developed new stochastic methods for efficiently calculating dynamic network change. (2007-2008)