Data Science Community Hour

Weekly in-depth technical discussions, presentations, tutorials, and meet-ups from the community of data science researchers and educators. Students, staff, researchers, and faculty are welcome!

Goal: Connect students and researchers interested in data science across campus.
  a. Build professional and peer networks for career development, academic success, and research collaborations.
  b. Share knowledge and have enriched discussions that sharpen the technical and presentation skills of members, as well as introduce different aspects of data science.

When: Thursdays 4:30–5:30 PM (continuing throughout Spring 2020 until May 12).

Two short talks over two weeks, Thursday, March 11th and 18th, 4:30 PM, join via Zoom link

---

"Bootstrapping Anaconda"—Dr. Chase Cotton, UD ECE.
"Introduction to Adversarial Machine Learning"—Dr. Michael De Lucia, Army Research Lab (ARL)

Firstly, we will give an interactive tutorial on installing the popular **Anaconda** data science platform on your PC or Mac. Then we'll run some initial machine learning tests and a few simple programs. (As Anaconda load times can be 30–40 minutes, please visit this site **http://www.udel.edu/008153** before the presentation to find some pre-work you can do to be ready to participate in the hands-on activities.)

Secondly, we will introduce the concept of **adversarial machine learning**, a technique where carefully constructed or perturbed data instances, observations, or training data can be used to cause a machine learning model, such as an image classifier, to make widely inaccurate predictions.

Over the past 35 years, **Chase Cotton** (Ph.D. EE, UD, '84; BS ME, UT Austin, '75, CISSP) has held research, development, and engineering roles, primarily in telecommunications. In both the corporate and academic worlds, he has been involved in computer, communications, and security research for the technologies used in Internet and data services. Since 2008, Dr. Cotton has been at UD in the Department of Electrical and Computer Engineering, developing security courses & degree programs.

Michael De Lucia (Ph.D. ECE, UD, '20; MS & BS CS, NJIT, '05/'06, CSSA) is a Computer Scientist at the U.S. Army's Applied Research Laboratory (ARL), Aberdeen Proving Ground, MD, where he researches computer and network security, and machine learning for network security applications. Dr. De Lucia is Adjunct Professor in ECE at UD, and was an NJIT Adjunct Instructor 2006-2011.

UD DATA SCIENCE INSTITUTE

Interested in leading an in-depth discussion relevant to the data science community? Please reach out to us by emailing our current point of contact, Hassan Baker bakerh@udel.edu or fill out this Google form.