

Northwestern | Northwestern Institute on Complex Systems
DATA SCIENCE

Data Science Night At Northwestern

November 6, 2017

data-science-nights.org

Who are we?

Let's build a space for
people of all skill
levels and
backgrounds.

Agenda

- Adam Miller: presentation on scikit-learn
- Breakouts into smaller groups for hacking and topic-related discussions
- The future: it's up to you!

Adam Miller

LSST Data Science Fellow, CIERA

Breakouts:

Hacks and Topic Groups

Group A

Leaders: Damiano Fantini
& Luca Lonini

Topic: Learning machine learning
with Kaggle datasets

Group B

Leader: Rohit Pandit

Topic: Visualize Oscar winning
movies to uncover trends

Group C

Leader: Rebecca Harmon
& Jason Cain

Topic: Base salaries v.s. extra
income and overtime pay of city of
Chicago employees

Group D

Leader: Noah Guale

Topic: A web platform to help
high-school student to find summer
internships at Northwestern

Group E

Leader: Nicholas Wagner

Topic: RESTful APIs

Group F

Coach: Jon Atwell

Topic: Text scraping and word
embeddings

Group G

Leader: ?

Topic: Training Tweet sentiment
model

Group H

Leader: ?

Topic: Training “narrativity” analyzer

Group I

Leader: ?

Topic: Learning Python Basics

Before you leave

Fill out an exit survey -- pitch us on what you want to do at future Data Science Nights or other Data Science events. Pitch Thomas, Chris, and Jon in person, too!

Reconvene as a group at 9:00 to report on the results of hacks and other groups.

- A: Machine learning with Kaggle
- B: Visualize Oscars data
- C: City of Chicago employee data
- D: Web platform to find summer internships
- E: RESTful APIs
- F: Text scraping and word embedding
- G: Tweet sentiment model (needs a leader)
- H: Training narrativity analyzer (needs a leader)
- I: Basics of Python (needs more leaders)

Group A:

Leader: Thomas Stoeger

Topic: Science of science and folks
who work in Python

Group B:

Leader: Chris Skovron

Topic: Social scientists and/or folks
who work in R

Group A

Leaders: _____

(suggested by Beth Hakamy)

Topic: **Basics of Python**

Group B

Leaders: _____

(suggested by Dave Menacher)

Topic: Restaurant rating platform
using demographics to tailor
recommendation

Group C

Leaders: _____

(suggested by data science for social good)

Topic: Apply Police Early

Intervention System towards police
shootings in Chicago

Nov 8th, 7.00 p.m. - 9.00 p.m., 2006 Sheridan Road B02
Department of Statistics: Analytics Workshops
<https://github.com/bavelp/nustataw>

Nov 10th, 5.00 p.m. -7.00 p.m. Prairie Moon Restaurant
Northwestern PostDoctoral Forum: After work drinks and
cross - department socializing (every 2nd Friday of a month)

Nov 16th, 4.00 p.m. - 6.00 p.m., Baldwin Auditorium:
Biomedical Informatics and Data Science Student group Career Talks:
Accenture's Cecil Lynch, MD, MS & Ford Culver

Perhaps someone in this audience has a further announcement?

City of Chicago data: poverty and sources of death

City of Chicago data: seasons and (failed) food inspections

City of Chicago data & Wikipedia: Street names and historic biases

MedLine: Linguistic traces of scientific fraud in scientific abstracts

City of Chicago & web-mining: demographics and education of lobbyists

Web-dev: Creating a public Question & Answer site for Northwestern (e.g.: usable to get info on courses, but also NU internal administration tools,...)

Datacamp: Learning basics of programming and data-science with an online-tool

Various bioinformatics resources: How many functionally distinct classes of anti-aging genes do exist?

Web-dev: platform where PhD students (not only NU) can anonymously post their salary, and show meta-analysis publically in internet so that incoming new students see, which universities, and departments, are in a non-competitive field

Organisational: Creating a data science career event at Northwestern