Penn Data Science Group

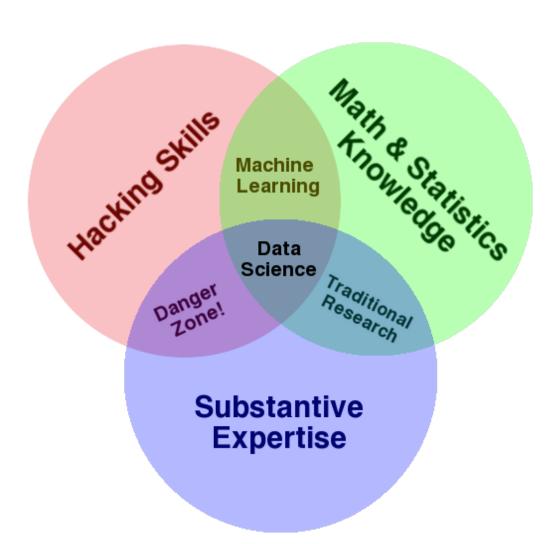
Spring 2017 Info Session

January, 26th 2017, Berger Auditorium





What is Data Science?

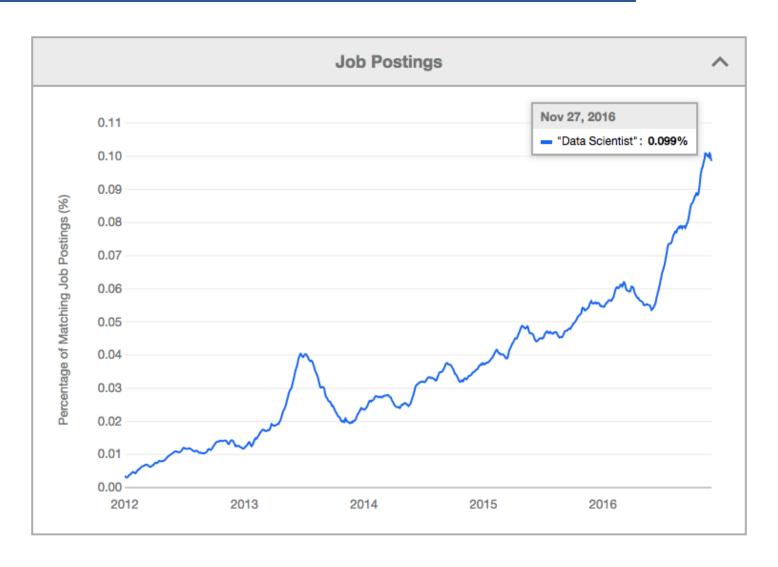


Extract insights from data using...

- Statistics
- Machine Learning
- Data Mining
- Predictive Analytics
- Data Visualization
- Probability Models
- ...and more

https://en.wikipedia.org/wiki/Data_science

Why Be a Data Scientist?



Why Be a Data Scientist?

Data Scientist Salaries



Community Events Calendar

Resources Page

Workshops

Career Talks

Student Talks

Community Events Calendar

Types of events we list:

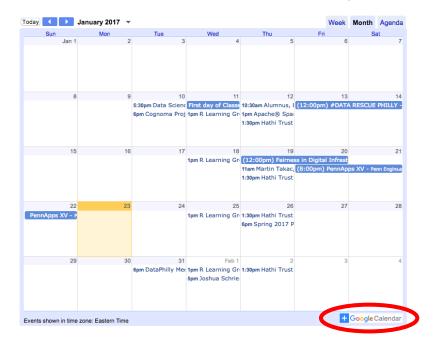
- DataPhilly Meetups (meetup.com/DataPhilly)
- Hackathons
- Data-related Academic Seminars
- Career Fairs
- Company Info Sessions
- Networking Events
- Workshops
- PDSG Events

Community Events Calendar

Add to your calendar

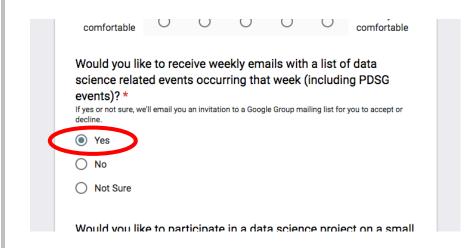
penndsg.com/events

Data Science Events Near Penn Campus



Get the weekly newsletter

penndsg.com/join



Other events? Send info to: board@penndsg.com

Community Events Calendar

Resources Page penndsg.com/resources

Workshops

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Workshops

Hands-on practice with data science tools and techniques

Workshop currently in planning:

Predicting Titanic passenger outcomes using Jupyter/iPython Notebook





Want to lead a workshop? Let us know: board@penndsg.com

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Student Talks

Projects

We want to hear from...

- Data Scientists
- Data Engineers
- Data Analysts etc.

Send referrals to: board@penndsg.com

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Projects

We want to hear about your data-related...

- Research
- Internship Experience
- Side Project

To volunteer, email board@penndsg.com

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Why do a project through PDSG?

- Build your data science portfolio
- Find like-minded people to work with you
- Build something you can be proud of
- Get help from other PDSG members by posting questions on Piazza

No really, why?

Project Prizes

If you want prizes like \$50 Amazon gift cards, here's what to do:

- 1. Get a group of 2-4 people
- 2. Pick a data problem to explore
- 3. Tell us your team and project idea
- 4. Write a blog post style report on your project
- 5. Present your results in front of a panel of judges
- 6. Have one of the best projects
- 7. Collect gift cards (1 per team member, excluding board members)

Raffle Prizes

At the end of the semester, we'll raffle off small prizes, like \$5 Amazon or Starbucks gift cards. You get 1 raffle ticket for each:

- Project report put up on the website
- Student talk you give
- Data professional referral who ends up giving a career talk

2 raffle tickets if you lead a workshop!

Kaggle Competitions

If you don't know what kind of project to do, do a Kaggle competition

- Clean datasets
- Immediate model evaluation
- Scripts shared by other competitors

Recommended Kaggle Competitions

Titanic: Machine Learning from Disaster

- kaggle.com/c/titanic
- Predict Titanic passenger outcome

Digit Recognizer

- kaggle.com/c/digit-recognizer
- Classify handwritten digits from famous MNIST data

Shelter Animal Outcomes

- kaggle.com/c/shelter-animal-outcomes
- Predict Austin Animal Center animal outcomes

TalkingData Mobile User Demographics

- kaggle.com/c/talkingdata-mobile-user-demographics
- Predict demographics characteristics from mobile phone data
 <u>Predicting Facebook Check-ins</u>
- kaggle.com/c/facebook-v-predicting-check-ins
- Predict where people like to check in on Facebook based on fictitious data similar to data Facebook employees use