

DesertPy Data Science Workshop

(WARNING: This document is subject to some minor changes. The date/location/time is set - the agenda is in flux)

Summary

A data science problem will be presented along with Python tech, such as Pandas, that could be used to solve such a problem. Break off into small groups to hack or attend breakout sessions on related topics. Meet at the end where the small groups may present their findings. Whether you're a seasoned data scientist or enthusiastic to learn about using Python to solve data science problems, we want you to attend. The meeting place is the beautiful GoDaddy Global Technology Center in Tempe (see [this geekwire article](#) to see what we mean).

May 9, 2015 9AM-5PM (Registration open at 8AM, starts at 9AM sharp)

GoDaddy Global Technology Center
2150 E. Warner, Tempe, AZ 85284
(map: <https://goo.gl/maps/HtQsN>)

RSVP at <http://www.meetup.com/Phoenix-Python-Meetup-Group/events/211120292/>

Agenda

Time	Topic	Room	Description
8A-9A	Registration	Cafeteria	Arrive early to mingle and enjoy Einstein Bagels & coffee (compliments of Bon Osonwanne and virgilglobal.com)
9A-9:15A	Opening Remarks	Cafeteria	A warm welcome and a few logistics by your host, Dave Koopman.
9:15A-9:45A	The Data Science Challenge and an Intro to Pandas	Cafeteria	Presentation of a real world data science problem and an introduction to Pandas. Presented by Austin Godber.
10A-12P	Hackathon	Huddle Rooms or Outside (weather permitting)	Self organize into small hacking teams to work on the Data Science Challenge. There are many small rooms sufficient for up to 6 people each scattered throughout the building. See Linda for a room assignment.
10A-10:45A	Breakout #1, An introduction to Numpy	Cafeteria	An introduction to Numpy. Presented by Sean Bryan
10A-10:45A	Breakout #2, Agile 101	Training Room	An overview of the concepts and principles around agile development. Learn this before hacking on the Data Science Challenge could give you an edge. Presented by GoDaddy VP Software Engineering, Gint Grabauskas.
11A-11:45A	Breakout #3, Machine	Cafeteria	Machine Learning with Python, Sarah Braden.

	Learning with Python		
11A-11:45A	Breakout #4, Lasagne	Training Room	Lasagne (built on top of Theano, which runs on CUDA). Presented by Tim Hochberg.
12P-12:45P	Lunch	Cafeteria	Please enjoy lunch with us, compliments of Tedd Huff and Obsidian Pay.
1P-3P	Hackathon	Huddle Rooms or Outside (weather permitting)	Self organize into small hacking teams to continue working on the Data Science Challenge. There are many huddle rooms sufficient for up to 6 people each scattered throughout the building. If the weather is nice, can use the outside seating areas too!
1p-1:45P	Breakout #5, Cython	Cafeteria	Releasing the GIL and speeding up NumPy with Cython presented by Pedro
1P-1:45P	Breakout #6, Monte Carlo Markov Chains	Training Room	A talk about using monte carlo markov chains to fit nonlinear models to data using the emcee package in python. Presented by Sean Bryan.
2P-2:45P	Breakout #7, topic TBD	Cafeteria	TBD
2P-2:45P	Breakout #8 - Continuous Integration with Jenkins and github	Training Room	Jenkins to automate builds with unit and integration tests, using GoDaddy Cloud and Github. Presented by Dave Koopman.
3P-3:15P	Closing Remarks	Cafeteria	A thank you and introduction of the teams wanting to present their findings during the hackathon.
3:15p-4:15P	Presentations	Cafeteria	Each hackathon team may take up to X minutes to present.
4:15P-5P	Happy Hour	Cafeteria	Mingle and talk about the day. Sodas and water, compliments of GoDaddy. No alcohol will be served.

WiFi

WiFi will be available during the event. Connect to the “Moon” network. No password required.

Rules

Please stay downstairs, because there are customer support reps on the phones upstairs.

It was very nice of GoDaddy to let us use their facility. The main thing is please be respectful of the facility.

There are many break rooms with refrigerators, coffee, beverages and snacks throughout the building - please refrain from using these or taking any snacks or beverages from these. All the food and beverage for this event will be supplied in the Cafeteria area.

If you want to play with the toys (ie the bicycles, pedal carts, ping pong tables, etc), that's fine, as long as it doesn't disturb other groups.