

DATA CARPENTRY

BUILDING COMMUNITIES TEACHING UNIVERSAL DATA LITERACY









Data Carpentry Workshop

UF Informatics/Biodiversity Institute October 30 - 31, 2017

Who we are



Elise Morrison



David Jennings



Dan Maxwell



Simona Picardi



Philip Boersch-Supan



Deborah Paul



Matthew Collins



Plato Smith



Adania Flemming

Where we are from

Florida Museum of Natural History, Marston Science Library

Wildlife Ecology and Conservation (Ft. Lauderdale), Smathers Libraries

UF Geography, iDigBio (FSU and UF), Microbiology

Today's instructors and helpers span the whole range from veterans to people participating in the Carpentries for the first time.

Why we're doing this

We feel your pain - we have data problems, too!

We want to share solutions and experiences - many of Data Carpentry's instructors are volunteers

What is Data Carpentry

"Data Carpentry develops and teaches workshops on the fundamental data skills needed to conduct research. Our mission is to provide researchers high-quality, domain-specific training covering the full lifecycle of data-driven research."

http://www.datacarpentry.org/

http://www.datacarpentry.org/code-of-conduct/

This workshop

https://idigbio.github.io/2017-10-30-iDigBio-Summit-UFII/

Monday

Data organization in spreadsheets and OpenRefine, Introduction to R

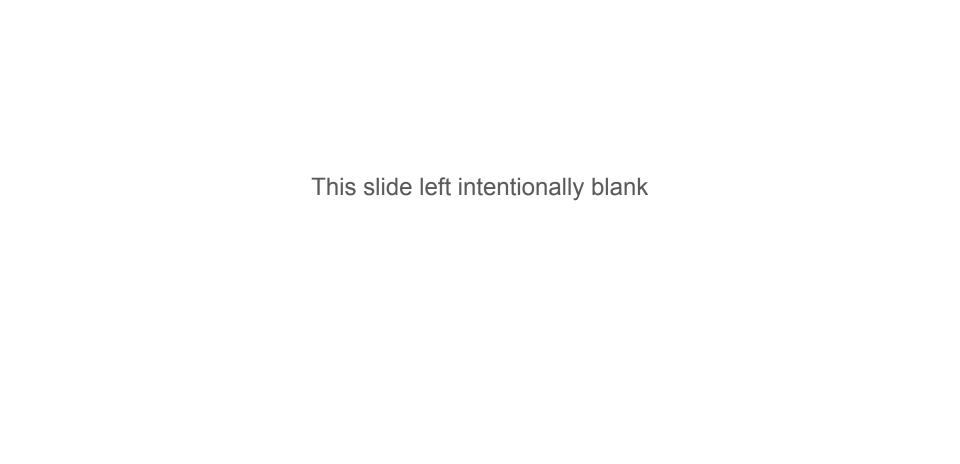
Tuesday

SQL for data management, Data analysis and visualization in R

Reminder (to me as much as to you)

- 1. Wireless
- 2. Bathrooms
- 3. Breaks & Lunch
- 4. Post-It notes
- 5. Minute cards
- 6. Etherpad http://pad.software-carpentry.org/2017-10-30-iDigBio-Summit-UFII
- 7. Ask your neighbor too!





HOW LONG CAN YOU WORK ON MAKING A ROUTINE TASK MORE EFFICIENT BEFORE YOU'RE SPENDING MORE TIME THAN YOU SAVE? (ACROSS FIVE YEARS)

		HOW OFTEN YOU DO THE TASK					
		50/DAY	5/DAY	DAILY	WEEKLY	MONTHLY	YEARLY
HOW MUCH TIME YOU SHAVE OFF	1 SECOND	1 DAY	2 Hours	30 MINUTES	4 MINUTES	1 MINUTE	5 SECONDS
	5 SECONDS	5 DAYS	12 Hours	2 Hours	21 MINUTES	MINUTES	25 SECONDS
	30 SECONDS	4 WEEKS	3 DAYS	12 HOURS	2 HOURS	30 MINUTES	2 MINUTES
	1 MINUTE	8 WEEKS	6 DAYS	1 DAY	4 HOURS	1 HOUR	5 MINUTES
	5 MINUTES	9 MONTHS	4 WEEKS	6 DAYS	21 HOURS	5 HOURS	25 MINUTES
	30 MINUTES		6 MONTHS	5 WEEKS	5 DAYS	1 DAY	2 HOURS
	1 HOUR		IO MONTHS	2 монтня	IO DAYS	2 DAYS	5 Hours
	6 HOURS				2 монтня	2 WEEKS	1 DAY
	1 DAY					8 WEEKS	5 DAYS

http://imgs.xkcd.com/comics/is_it_worth_the_time.png

Wrap up

Workshop site: https://idigbio.github.io/2017-10-30-iDigBio-Summit-UFII/

Lessons: http://www.datacarpentry.org/lessons/#ecology-workshop

(Watch soon for the natural history lessons to be published!)

Join Data Carpentry: http://www.datacarpentry.org/involved-instructor/

Resources @ UF:

Join UF's Carpentries Club: https://github.com/UF-Carpentry

Join UF's Informatics Teaching Listserve:

https://lists.ufl.edu/cgi-bin/wa?A0=INFORMATICS-TEACHING-L

UF R Drop-in: Wednesdays 4-6 PM in Marston Science L136

UF Data Science and Informatics Student group: http://www.dsiufl.org

R Meetup: http://www.meetup.com/R-Users-Group-Gainesville-FL/

Post-Workshop Survey:

https://www.surveymonkey.com/r/dcpostworkshopassessment