



DATA CARPENTRY

BUILDING COMMUNITIES TEACHING UNIVERSAL DATA LITERACY



UF | Informatics Institute
UNIVERSITY of FLORIDA

UF | Biodiversity Institute
University of Florida



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!

Introductions

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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	<div><div>1</div></div> DAY	2 HOURS	30 MINUTES	4 MINUTES	1 MINUTE	5 SECONDS
	5 SECONDS	<div><div>5</div></div> DAYS	12 HOURS	2 HOURS	21 MINUTES	5 MINUTES	25 SECONDS
	30 SECONDS	<div><div></div><div></div><div></div><div></div><div></div><div></div></div> 4 WEEKS	<div><div>3</div></div> DAYS	12 HOURS	2 HOURS	30 MINUTES	2 MINUTES
	1 MINUTE	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> 8 WEEKS	<div><div>6</div></div> DAYS	<div><div>1</div></div> DAY	4 HOURS	1 HOUR	5 MINUTES
	5 MINUTES	9 MONTHS	<div><div></div><div></div><div></div><div></div><div></div><div></div></div> 4 WEEKS	<div><div>6</div></div> DAYS	21 HOURS	5 HOURS	25 MINUTES
	30 MINUTES		6 MONTHS	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> 5 WEEKS	<div><div>5</div></div> DAYS	<div><div>1</div></div> DAY	2 HOURS
	1 HOUR		10 MONTHS	2 MONTHS	<div><div>10</div></div> DAYS	<div><div>2</div></div> DAYS	5 HOURS
	6 HOURS				2 MONTHS	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> 2 WEEKS	<div><div>1</div></div> DAY
	<div><div>1</div></div> DAY					<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> 8 WEEKS	<div><div>5</div></div> DAYS

Wrap up

Minute Cards!

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/dcpoworkshopassessment>