INTRODUCTIONS

- 1. Name
- 2. In what city were you born?
- 3. What you consider your "hometown"?
- 4. Program and Degree?
- 5. Thesis topic...in emojis
- 6. Hobbies or what you do to relax.

DISCUSS

- 1. Motivation for taking the class
- 2. Concerns about this class (in particular) and this semester (in general)?
- 3. Big Question on the next slide
- 4. Record all this on the slides to report back to the group

1

What are "DATA"

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What are "DATA"

NO RECORDS

FEDERAL REGISTER

Vol. 78

Thursday,

No. 248

December 26, 2013

Part III

Office of Management and Budget

2 CFR Chapter I, Chapter II, Part 200, et al. Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards; Final Rule accordance with the pr § 200.313 Equipment p

OFFICE OF MANAGEMENT AND BUDGET

2 CFR Chapter I, and Chapter II, Parts 200, 215, 220, 225, and 230

Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards

AGENCY: Executive Office of the President, Office of Management and Budget (OMB).

ACTION: Final guidance.

SUMMARY: To deliver on the promise of a 21st-Century government that is more efficient, effective and transparent, the Office of Management and Budget (OMB) is streamlining the Federal government's guidance on Administrative Requirements, Cost Principles, and Audit Requirements for Federal awards. These modifications are a key component of a larger Federal effort to more effectively focus Federal resources on improving performance and outcomes while ensuring the financial integrity of taxpayer dollars in partnership with non-Federal stakeholders. This guidance provides a

5

§ 200.315 Intangible property.

(a) Title to intangible property (see § 200.59 Intangible property) acquired under a Federal award vests upon acquisition in the non-Federal entity. The non-Federal entity must use that property for the originally-authorized purpose, and must not encumber the property without approval of the Federal awarding agency. When no

(d) The Federal government has the jeht to:

 Obtain, reproduce, publish, or otherwise use the data produced under a Federal award; and

(2) Authorize others to receive, reproduce, publish, or otherwise use such data for Federal purposes.

(e) Freedom of Information Act (FOIA).

(1) In addition, in response to a Freedom of Information Act (FOIA) request for research data relating to published research findings produced under a Federal award that were used by the Federal government in developing an agency action that has the force and effect of law, the Federal awarding agency must request, and the non-Federal entity must provide, within a reasonable time, the research data so that they can be made available to the public through the procedures established under the FOIA. If the

78631

Federal Register/Vol. 78, No. 248/Thursday, December 26, 2013/Rules and Regulations

—

(3) Research data means the recorded factual material commonly accepted in the scientific community as necessary to validate research findings, but not any of the following: preliminary analyses, drafts of scientific papers, plans for future research, peer reviews, or

communications with colleagues. This "recorded" material excludes physical objects (e.g., laboratory samples). Research data also do not include:

(i) Trade secrets, commercial information, materials necessary to be held confidential by a researcher until they are published, or similar information which is protected under law; and

(ii) Personnel and medical information and similar information the disclosure of which would constitute a clearly unwarranted invasion of personal privacy, such as information that could be used to identify a particular person in a research study.

7

OECD ((

ORGANISATION FOR ECONOMIC CO-OPERATION AND DEVELOPMENT

OECD Principles and Guidelines for Access to Research Data from Public Funding

In the context of these *Principles and Guidelines*, "research data" are defined as factual records (numerical scores, textual records, images and sounds) used as primary sources for scientific research, and that are commonly accepted in the scientific community as necessary to validate research findings. A research data set constitutes a systematic, partial representation of the subject being investigated.

This term does not cover the following: laboratory notebooks, preliminary analyses, and drafts of scientific papers, plans for future research, peer reviews, or personal communications with colleagues or physical objects (e.g. laboratory samples, strains of bacteria and test animals such as mice). Access to all of these products or outcomes of research is governed by different considerations than those dealt with here.

Anything you perform analysis upon.

Kristin Briney, p. 6

9

With that in mind....

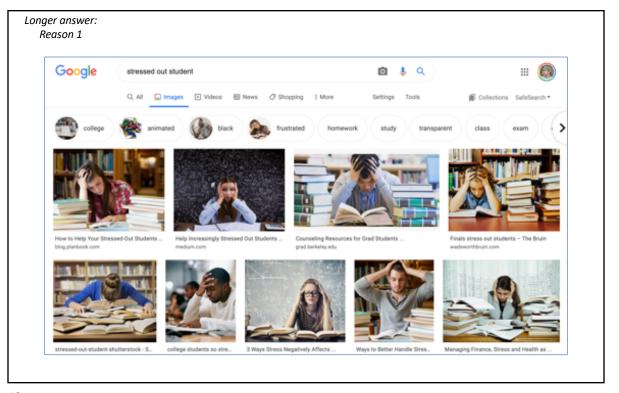
- 1. Identify different kinds of data collected in different disciplines
- 2. How are these data collected / recorded?

But first....

WHAT IS MY MOTIVATION?

short answer: data management might be the most important skill you learn at UF

11





"The thief stole a backpack containing his laptop, a notebook, and a thumb drive with all his backup material... With all his work gone, he will likely have to head back to the lab and redo experiments, delaying graduation by months."

https://tinvurl.com/vxbwo7gw

Final year student has laptop stolen in Pret, with entire dissertation due in two weeks

Her dissertation research was also in the laptop case



I had my backpack stolen today from Pret in Oxford Street, containing my laptop with all my university work on and my final year dissertation which is due in two weeks time! Literally the worst thing that could happen, I'm really desperate for my laptop back, without it I could fail my degree with nothing to submit. Also had all of my research inside my laptop case. Know I'm probably wishing for the impossible but please if you hear anything or are offered a stolen Apple MacBook Pro, please let me know! I'm waiting for CCTV images from Pret, as the police can't do anything without any evidence, and I'll try and upload images of the suspect ASAP. Would really appreciate any help!

Incident happened around 6pm today (29/01/18), at Pret A Manger, 298 Regent Street, W1B 3AP.

https://tinyurl.com/y5amkf6m

Ouch!: Thief Steals Laptop Containing 5 Years of Ph.D. Student's Research Data

FOR MY LOST LAPTOP

I am a Rutgers Chemistry 5" year Phil student. On April 194affersoon, my LENOYD THINDATA T-QCG laptice was stoken
from room 200. do Wright Risman building. If you stite the
four room 200. do Wright Risman building. If you stite
laptop and roos you are reading this letter, I would like to say,
that you can keep the consputer and I would like to pay you
money list ony data under D drive. The data is my VIVE-YARA
work. I restly need the data under the D drive, there is a follow
manned RESSARGIA, under RESSARGIA blotter, there is a THESS
fidder. I only need that folder far my thesis delones, which is
consequence of the control of the property of the control
money every some. I would like to pay you 510000 and so
whitever way you offer to send you the money. The price is
expectation. By laptop password is 6007 13 nd, my ensul address
and phone number is Gooden.

PLACKI: onesant me and I would appreciate it so no
market!

https://tinyurl.com/yyosxmeb

13



How long do hard drives last for?



PAUL BISCHOFF - TECH JOURNALIST, PRIVACY ADVOCATE AND VPN EXPERT @pabischoff August 27, 2017

Hard drive failure is unpredictable, so answering the question of how long hard drives last will inherently comes with a lot of caveats.

Short answer: That being said, if you just want a quick rule of thumb for how long you can expect the hard drive in your laptop should last, we'd say you should be prepared for disk failure after three years of use.

Long answer: A handful of studies on the lifespan of hard drives might give you some clearer indication, but they still aren't very helpful. Many of the hard drives tested do not fail at all. These drives are also kept in controlled environments and don't undergo the same conditions as, say,

Factor in the following questions:

- . What brand is the hard drive?
- What do you use it for? Running applications, viewing media, or storage?
- How often do you use your computer?
- . Is it frequently shaken, vibrated, or bumped?
- . How hot does your computer get?

What causes hard drive failure?

Answer: Factory defects & vibration (for the most part)



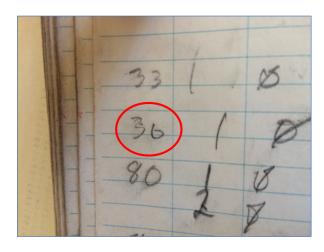






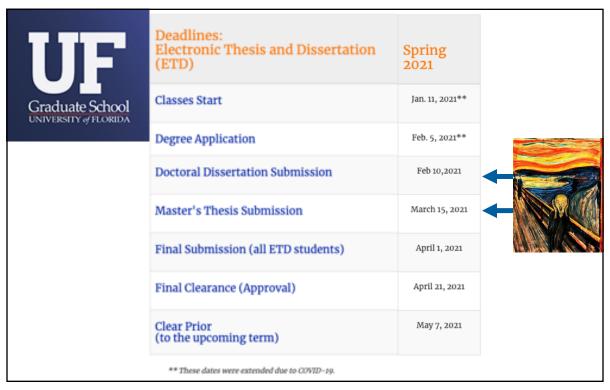
15

Uhhh....



The 6/3 Problem









The release of climate-science e-mails last November ripped apart Phil Jones's life. He's now trying to patch it back together.

I like to think the worst is over, but it's com-ing up to the first anniversary and it's some-thing it'll always remember at this time of year, when the nights close in. This is the time in happened.*

Therive mosths ago, Phil Jenes was a pro-ductive, if not particularly outspoken, climate scientist. That was the way be liked it. Head of the Cartain's Kearch's Unit, Ville of the worked with the Mot Collice to compile data to the control of the compiler of the control of the con-trol of the control of the control of the worked with the Mot Collice to compile data from worked with the Mot Collice to compile data

362 | NATURE | VOL 468 | 18 NOVEMBER 2010 0 303

climate sceptic, and suggested to colleagues they should delete e-main to keep sceptics from gaining access to information. Most fameouls, he boasted that he had used a "trick" to "hide the decline" in a temperature chur. Very soon, members of the sceptic community had pounced on these messages as evidence that forces and others had concealed.

guardian.co.uk

News Sport Comment Culture Business Money Life & style

Environment Hacked climate science emails

Climategate scientists cleared of manipulating data on global warming

Muir Russell report says scientists did not fudge data, but they should have been more open about their work

19

Longer answer: Reason 3

The New York Times By Sheryl Gay Stolberg, Shella Kaplan and Sarah Mervosh Published May 22, 2020 Updated June 3, 2020

C.D.C. Test Counting Error Leaves Epidemiologists 'Really Baffled'

The Centers for Disease Control has been lumping together tests for active coronavirus with tests for recovered patients, boosting testing totals but muddying the pandemic's course.

An Outdated Version of Excel Led the U.K. to Undercount COVID-19 **Cases**

By WHITNEY TESI OCT 07, 2020 • 3:47 PM

NEWS Audit finds U.S. anti-terror statistics inflated

Feb. 20, 2007, 10:38 PM EST / Source: The Associated Press

Federal prosecutors counted immigration violations, marriage fraud and drug trafficking among anti-terror cases in the four years after 9/11 even though no evidence linked them to terror activity, a Justice Department audit said Tuesday.

Fine's office took care to say the flawed data appear to be the result of "decentralized and haphazard" methods of collection or disagreement over how the numbers are reported, and do not appear to be intentional.







How scientists are using climate records made by 15th century Japanese monks

If you're old enough, you might remember how some flowers around where you live blossom earlier or that summers and winters are unusually harsh. In short, freak weather is more common to the point it's becoming the new norm. Human memory is fallible, which is why we keep records of things like temperature, humidity, concentration of gases in the atmosphere and so on. These record don't go back that long though — maybe only a century. Some, however, go way back and scientists are using these to keep track of climate change over the centuries.

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https://www.zmescience.com/ecology/climate/climate-change-japanese-monks/



Ecological contingency in the effects of climatic warming on forest herb communities

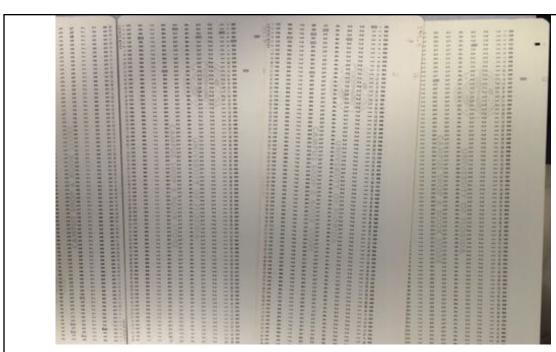
Susan Harrison, Ellen I. Damschen, and James B. Grace

Here we couple historical and contemporary data to compare 60 y of change in adjacent communities differing in elevation and land use. In 2007–2009 we resampled, as closely as possible, 185 sites in the Siskiyou Mountains (Oregon) that first were studied by ecologist Robert H. Whittaker in 1949–1951 with the goal of assessing community variation along steep environmental gradients (25). The region is a hotspot of botanical diversity with

We obtained Whittaker's data from the Cornell University Library's Rare Document Division and entered it into a database with tree and shrub counts by species, herb cover by species, and site locations (road, elevation, slope, and aspect).

https://www.pnas.org/content/107/45/19362

23



Putz, F.E., Biotropica, 1983

. (courtesy of FE Putz)

With that in mind....

- 1. Identify different kinds of data collected in different disciplines
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But first....