



Digital Preservation

Digital Literacy – Class 4

Class schedule

Class	Theme
10/27	Introduction Literacy in the 21 st century
11/3	Critical reading in the digital age
11/10	Guest speaker – Tracy O'Connell Novick
11/17	Historical Preservation or "My Great American Novel is on a 5 ¼" floppy."
12/1	What's ahead?

Readings and presentations are available at
<http://queenlake.com/wise/wise-fall-2017/digital-literacy/> .



WISE

Study Group

Mondays, 11:30 AM to 1:00 PM, starting November 6

Bring your laptops, tablets, smartphones, and questions.

Most importantly, bring your passwords for email, app store, and specific apps.

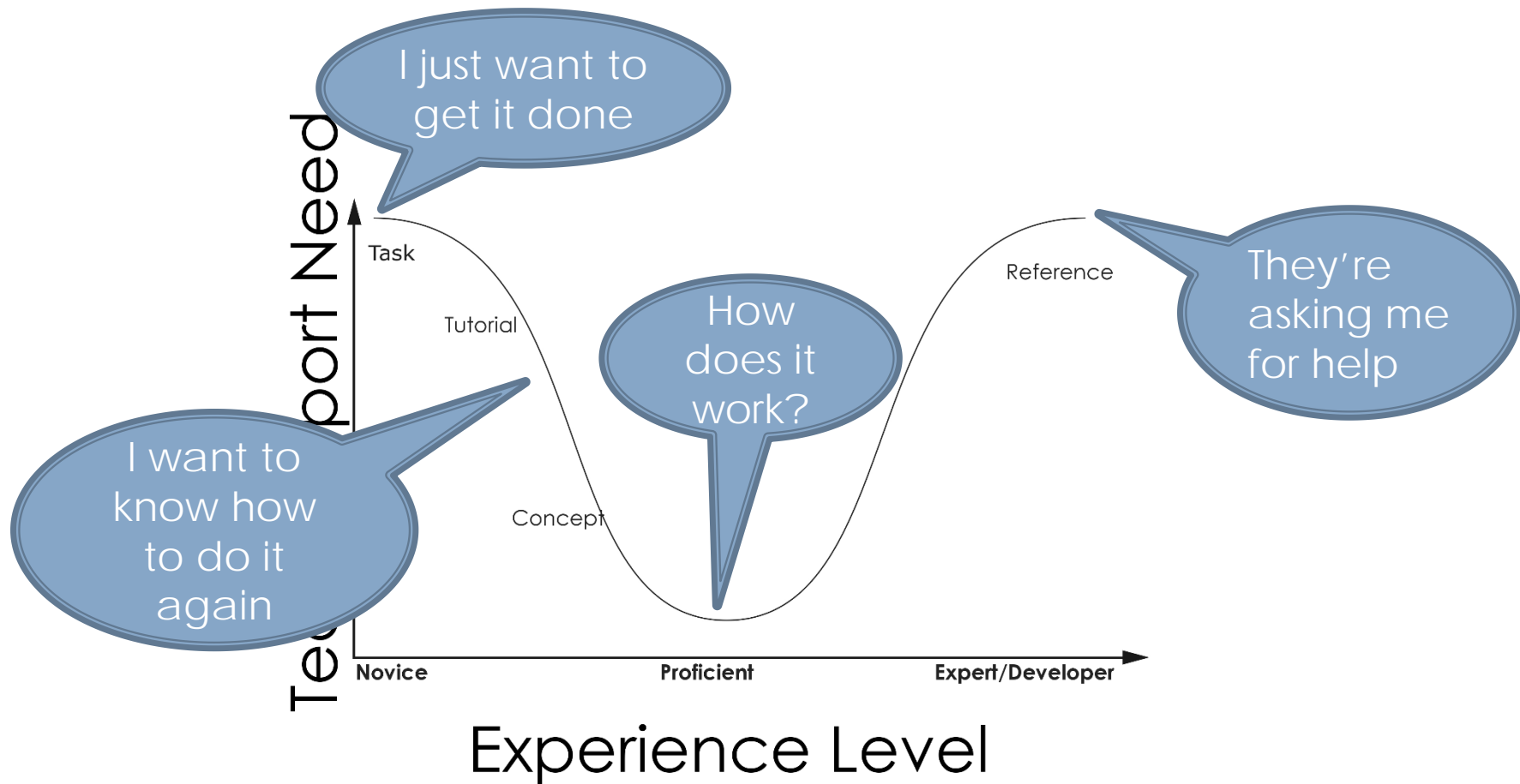


Questions from previous classes?



Context is key

People buy drill bits so that they can have company



Who needs what when?

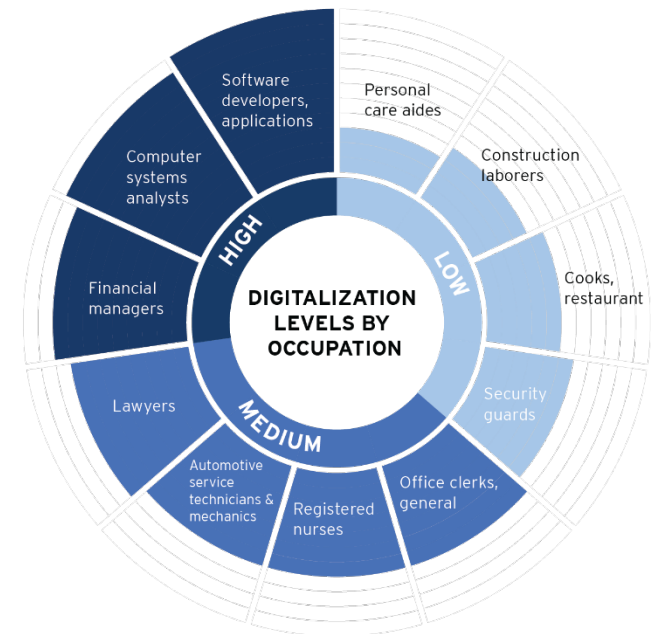


In the news

Selected occupations by 2016 digital score

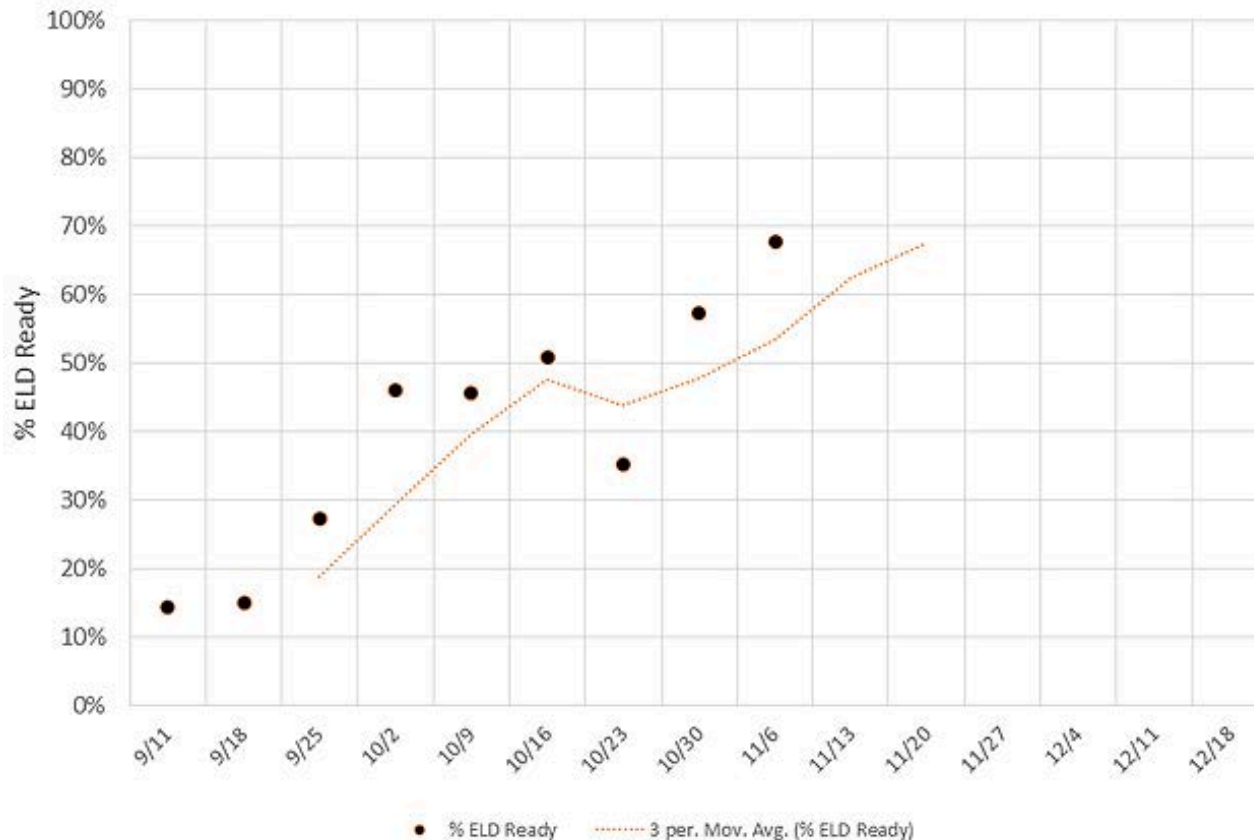
Occupation	Digital score, 2002	Digital score, 2016	Score change, 2002-2016
Software Developers, Applications	97	94	-3
Financial Managers	41	61	+20
Construction Managers	17	60	+43
Human Resources Specialists	37	60	+22
Lawyers	34	58	+23
Automotive Service Technicians and Mechanics	39	55	+17
Registered Nurses	38	55	+17
Office Clerks, General	53	55	+2
Tool and Die Makers	3	51	+48
Security Guards	28	31	+3
Welders, Cutters, Solderers, and Brazers	3	23	+20
Construction Laborers	2	17	+15
Personal Care Aides	16	14	-2

Source: Brookings analysis of O*NET and OES data



Most jobs and all good jobs require additional digital skills

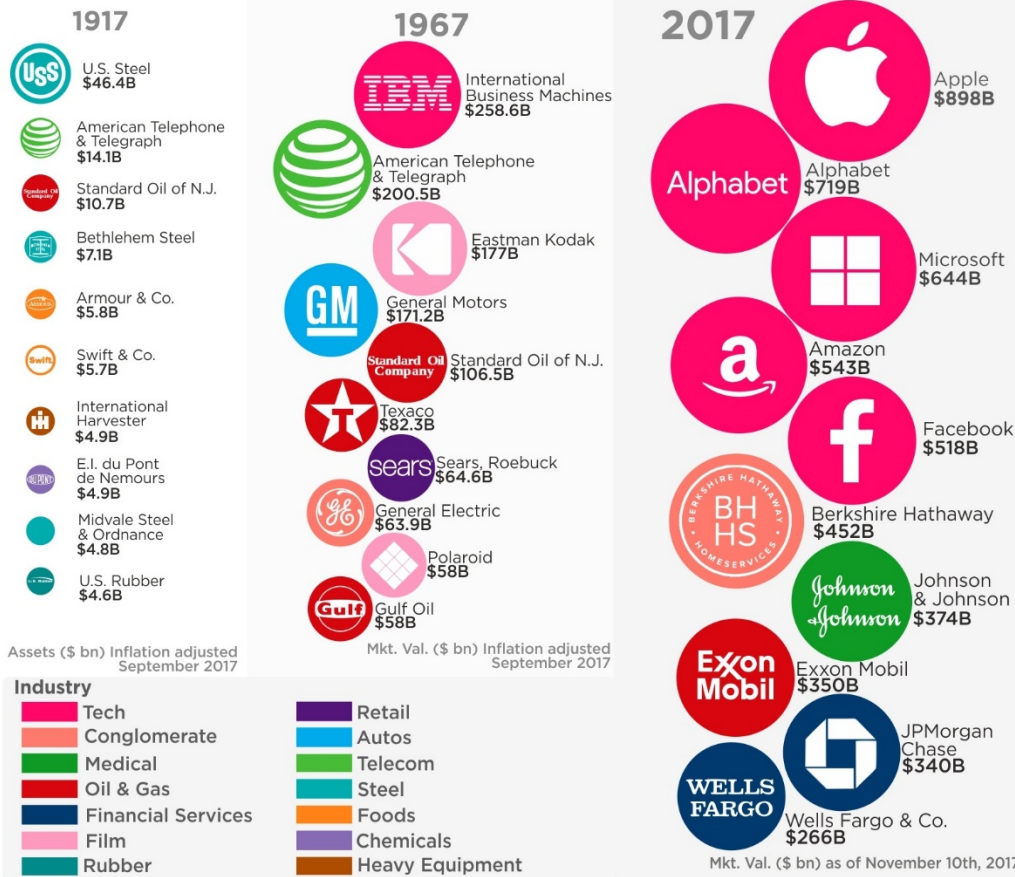
Brookings Institution: Digitalization and the American workforce



Trucking industry readiness for Electronic Logging Device adoption

MIT Technology Review: New Technologies Are Coming to Trucking, and Truckers Are Nowhere Near Ready

100 Years of America's Top 10 Companies



Source and Article:
<https://howmuch.net/articles/100-years-of-americas-top-10-companies>
<https://forbes.com>

howmuch.net

A Century of America's Top 10 Companies, in One Chart



Would you want your surgeon to learn a procedure this way?

Did you ask your surgeon about the type of education?

Source: [Boston Globe, October 10, 2017](#)

Making news



Without Re-timing



With Re-timing
(Our Result)



Our approach to news is shaped by our friendships

How did the news go 'fake'? When the media went social



Massachusetts STEM Summit 2017

Keynotes:

Yvonne Spicer – First mayor of Framingham and Vice President for Advocacy and Educational Partnerships, Museum of Science

John C. Warner – Green Chemist, President, Chief Technology Officer, Board of Directors

Massachusetts Digital Literacy and Computer Science Curriculum Framework (2016)

- Guiding Principle 1: Learning
 - Digital Literacy and Computer Science ideas should be explored in ways that stimulate curiosity, create enjoyment, and develop depth of understanding.
- Guiding Principle 2: Teaching
 - An effective program is based on a carefully designed set of content standards that are clear and specific, focused, and articulated over time as a coherent sequence.
- Guiding Principle 3: Equity
 - All students should have a high quality digital literacy and computer science program that prepares them for college and a career.
- Guiding Principle 4: Literacy Across the Content Areas
 - An effective digital literacy and computer science program builds upon and develops students' literacy skills and knowledge.

Practicing Digital Literacy in the Liberal Arts

Content (commenting directly on sources)	Process (commenting on your research steps, struggles, goals)
Describe the source.	What led you to this source(s)? How did you get started?
Why does this source matter?	What questions does the source raise for you about your research process?
What questions does the source raise for you about the subject matter?	Where does this source lead you next?
How does the source contribute to other knowledge or connect to other information?	How is the environment of your research impacting your work? How are you using digital tools to promote your development as a researcher?
What voices or perspectives does the source include? exclude?	Take stock of your progress to date. How does it look to you, from a bird's eye view?

Jennifer Jarson and Lora Taub-Pervizpour, Muhlenberg College

Recovery

Your PC couldn't turn off properly

The operating system on your PC failed to turn off properly and needs to be repaired.

Error code: 0xc0000001

You'll need to use recovery tools. If you don't have any installation media (like a disc or USB device), contact your PC administrator or PC/Device manufacturer.

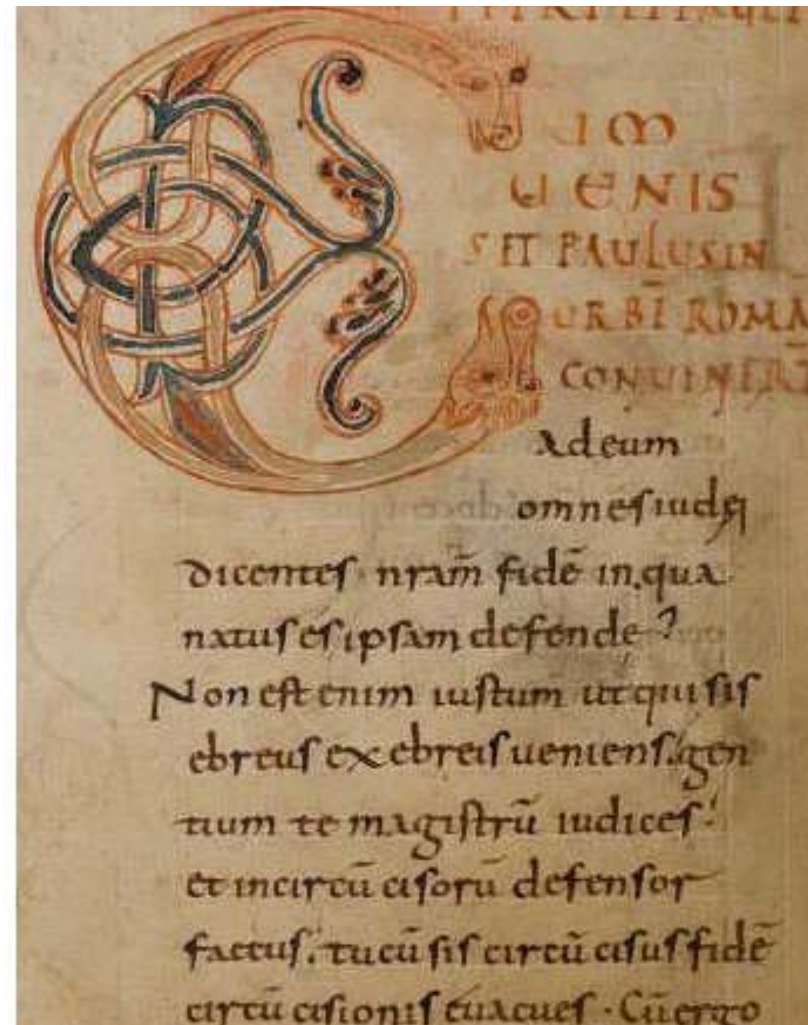
Press Enter to try again
Press F1 to enter Recovery Environment
Press F8 for Startup Settings
Press Esc for UEFI Firmware Settings
Press F9 to use a different operating system

Digital Preservation

Iudaei dicentes: Nostram fidem, in qua natus es, ipsam defende. non est enim iustum, ut cum sis Hebraeus ex Hebraeis ueniens, gentium te magistrum iudices, et incircumcisorum defensor 5 factus tu cum sis circumcisis, fidem circumcisionis euacues. cum ergo Petrum uideris, suscipe contra eius doctrinam, quia omnem observationem nostrae legis euacuauit, exclusit sabbatismum et neomenias et legitimas ferias exinaniuit.

2 Quibus Paulus respondit: Me Iudaeum esse et uerum 10 Iudaeum, hinc poteritis probare, cum et sabbatum obseruare

*Paris 9737 Laur XX, 4 Aed Flor 139 Laur conu suppr 231 cum tu sis Laur XX, 1. XX, 2 Mug de nem 13 | et ex hebraeis A | ex Hebraeis ueniens om K | * te magistr. gent. L | indices CPn Paris 9737 | incircumcisorum ... sis om K Laur XX, 2 || * factus es n | tu om n Laur XX, 3 Mug de nem 14 Amiat 2 Strozz 4 | circumcisiom L circumcisorum D | euacuas C | euac. circumcisorum ACO || * uideris petrum D | incipe Laur XX, 2. XX, 4 Aed Flor 139 Mug de nem 13 Laur conu suppr 231 | surge Mug de nem 14 auspice X contende RT suscipe defensionem C | contra eum doct. BGKLN (eum in ras) Q Paris 5273. 15681 contra eum contendere Ff Laur XX, 1. XX, 2. XX, 4 Aed Flor 139 Mug de nem 13 Laur conu suppr 231 | quia omnem om A qua Marc 116. 118 || * omnem om O | obseruantia(m) HLU | nostrae om H | euacuat DQU Paris 15681 excludit U et exclusit ACIO | sabbatum KLN (sabbatum in ras) Q Paris 5273 sabbata Paris 9737 Mug de nem 14 || * neomenias cum CFIKLNOPRTVXf Laur XX, 2. XX, 3. XX, 4 Aed Flor 139 etc neomeniam ABDEGHMQn Paris 2653. 5273. 15681 Amiat 2 etc Thil neomenia F neomenia Laur XX, 1 neomenia S Marc 116. 118 neomeniamque U | ferias nostras M | inanuit Sf Paris 15681 Laur XX, 1 Amiatin 2 Strozz 4 inanibit CO (sic^{nl} semper in his duobus codd u et b permutantur) inanit U exinuit H sect. 2 l. 10 esse om Paris 15681 Marc 116. 118 et uerum Iudaeum om I || * hic BFSXf Laur XX, 1. XX, 4 Mug de nem 13. 14 Amiat 2 Laur conu suppr 231 nunc Q l. approbare l. l. probare ... nunc poteritis*



OCR and Medieval Manuscripts: Establishing a Baseline

A Firefighter's Story

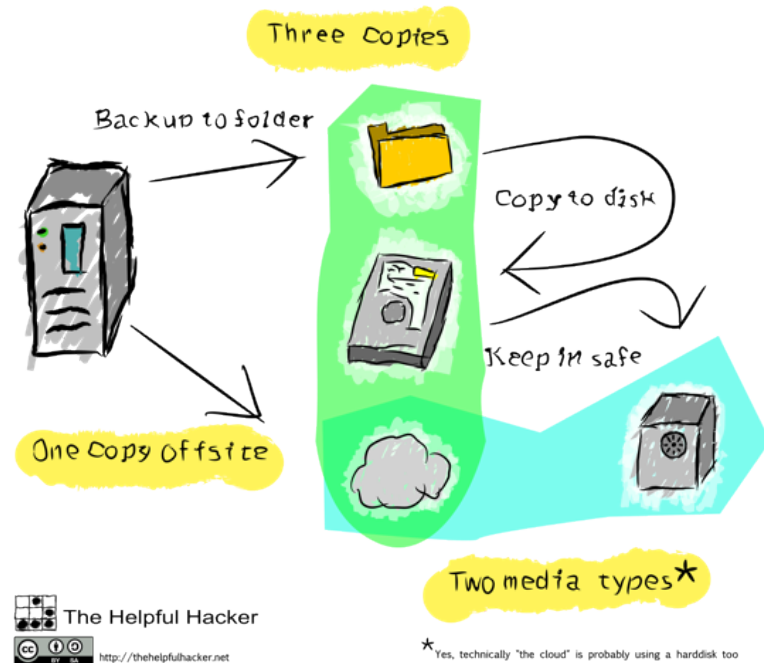
- I'm a firefighter. I'm also a novelist. Had an interesting call last night. Prompted some big (for me, anyway) thoughts. No person or animal was injured; we saved the building and most of the contents. (There was water & smoke damage.) Still, it was tragic.
- The call came in around 9 PM. I was home. Earlier that evening I had worked out at the firehouse, then attended a lecture on Checkov.
- "Structure fire at [address]. Detached home office; flame visible." I got there just after the ladder truck, where my gear is stowed.
- As I geared up some other firefighters were connecting a supply line to a hydrant; others were already attacking the fire. I grabbed an air pack but Chief hollered to me, "Forget the pack. Give me some lights. Light up this scene!" So I began to do that.
- The building on fire was downhill from the main house, across a lawn, 100 feet from the road. I dragged a power cord & light there, etc.
- The fire was soon knocked down & the long process of "salvage & overhaul" began. A man and a woman watched from a porch on the house.
- The man was the novelist ---- ----. Lost in the fire was the only manuscript of a novel he had been working on for 3 years. Gone. Ashes. I had met him & his wife before, sat next to them at a dinner party. There's lots more to the story but that's enough for now.
- I wasn't going to make this public, Chief might not be happy with me, but a lost ---- ---- novel is a big story, & he was a journalist.
- I asked myself, If our positions were reversed, if he was the firefighter & I the famous writer, would Ward Just have tweeted this out? I believe he would have. Further, this is just the kind of scenario that might appear in one of his novels. It's nearly Checkovian.
- I offered condolences, helped disconnect hoses, etc, went back to station, helped put truck back in order, re-packed my gear.
- ---- ---- writes his novels on a manual typewriter. That also was ruined in the fire.
- It was about 1:30 AM when I went to bed. Today I'm going to find a few hours to work on my latest novel. I'll back up my work.

The 3-2-1 rule of backups

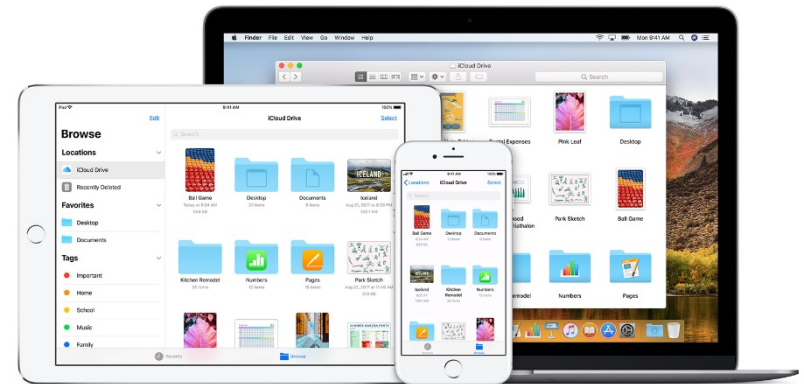
- At least three copies of your data:
the original and at least two backups.
- Keep the backed-up data on two different storage types. For example, your hard drive and an external USB drive.
- Keep at least one copy of the data offsite.
- One more thing: make sure that the backups are automatic.

If you have to remember to backup your files, you won't.

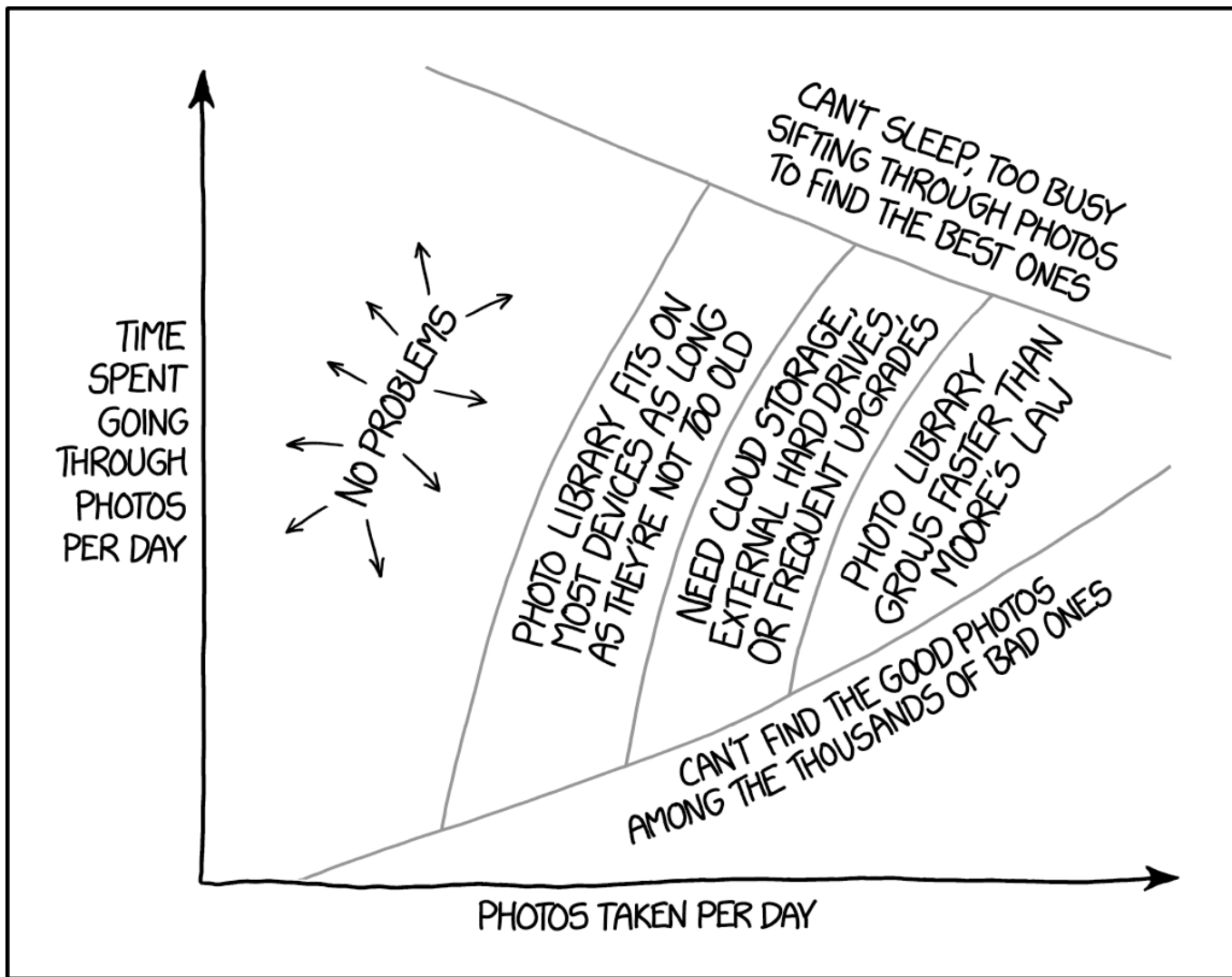
The "321" Rule



* Yes, technically "the cloud" is probably using a harddisk too



Online backup software



Managing photographs

THANKSGIVING

- Cottage CHEESE
- WHIPPING CREAM
- SWEET POTATOES
- ² FROZEN PIE SHELLS
- GELATINE

Thanksgiving: a digital literacy learning opportunity



Questions?