This is an edited version of the chat transcript. Last names (except for the presenter and moderator) have been removed.

Wendy Stephens: Excited to see so many familiar names here!

Wendy Stephens: Welcome, friends

Wendy Stephens: Welcome to so many friends

Peggy: Great to be here with all of you! This is an awesome conference! Justin's session was fantastic!

Kristin (staff): Hi from the middle of the Ann Arbor Art Fair!

Sheila: hi! Sheila

Shelley: Hi from the beautiful city of La Verne California

Kristin (staff): We are so lucky to have Justin on our campus -- he is constantly bringing new ideas to all of us. He introduced me to the citizen science site Zooniverse.org, which I adore!

Tina: Good Afternoon All

Stephen: that's right Ann Arbor's art fair is going on.

Peggy: I discovered in the last session that if I pop out the chat I can see the full names of the people typing in the chat. :-) Very helpful!

Kristin (staff) : Yes, everybody! You should have a toolbar that says Audio Settings - Chat - Raise Hand (on my screen, it's in the top left). Click CHAT and you can pop out the chat window and adjust its location and size. Ooh la la!

Sheila: I don't

Robbie: Got it!

Kristin (staff): @Sheila - sometimes, you can find the chat pop-out by scrolling down to the bottom of your screen and having a few icons pop out

Peggy: awesome door prizes!! thanks to all of the sponsors!!

Angie (Moderator): http://datalit.sites.uofmhosting.net/conference/scech/

Kristin (staff): All of the Data Geek series were written and/or edited by members of this data project!

Angie (Moderator): http://bit.ly/4t-store

Amy (Moderator): Wendy and I have agreed that I'll gather questions as we go and post them as a group at the end.

Angie (Moderator):
 http://dataliteracy.si.umich.edu/conference/

Peggy: https://easel.ly/blog/about-us/

Angie (Moderator): #4tdl

Angie (Moderator): http://www.4tdwvirtualcon.com/

Peggy: I love all of the 4T virtual conferences! Regular participant in all of them!!

[Here, people made introductions. To protect privacy, we've omitted that portion of the chat.]

Peggy: Zoom remembered my chat settings from the previous session and automatically popped out my chat window. :-)

Linda: Thank you for that info

Amy (staff): If you have questions as Wendy speaks, please post them in the chat and Wendy will answer at the end. Thanks!

David : No Facebook for me either. You're not along, and I'm middle-aged.

Karen: No Facebook here, either. Also middle-aged!

Alyssa: No FB either, and I am not middle aged :)

Jole: all topics dear to my heart as well!

Karen: Good for you, Alyssa.

Brandon: I got off FB about 4-5 years ago. Don't regret it. Although I do miss out on somethings. Oh well. :)

Jole: a lot of great YA novels on this them. Cory Doctorow is an author to look at

Lisa: So sorry to report that I am on Facebook and I love it and believe in it.

Claire: "All Rights Reserved" is one that came out recently. Premise is that all words are copyrighted and everyone's conversations are monitored and paid for.

Lisa: Oh, and I am "old".

Peggy: I'm also old

Stephen : My family is all on Facebook except for me.

Danica: For a more marketing spin on YA constant surveillance dystopias, check out *Feed* by MT Anderson

Brandon: Scary thing about FB is that they don't let you delete your account - only 'pause' or remove it from other's view. All it takes to reactivate is to log back in.

Peggy: and love Facebook for so many things but especially connecting to inspiring educators who constantly share resources and connecting to former university students. We're even planning a reunion of our class from 12 years ago!

Caroline: I like FB for connecting with out of town family and friends.

Hannah: *Data and Goliath* by Bruce Schneider is another great book on data tracking and the surveillance society (repeated message to all attendees)

Caroline: I've heard about airlines keeping prices high if you keep searching for a particular flight.

Brandon: @Hannah - thanks for the recommendation (book)

Lisa: I watched that tracking happen with me with the Walking Company when I was shopping for a particular shoe. It was amazing to watch and they ARE still following me with that she on e mail and Facebook.

Beth: It's also so far past fb now. At least when I post on fb, I'm aware of it but what about the fact that Siri is ALWAYS listening and so is my Amazon Echo Dot?[a]

Linda :   Yes, if you are not paying for the service, you (and your data) are the product

Brandon: Sort of troubling - I have colleagues that say, "Eh, I don't care if my data is collected. I'm not doing anything wrong." I wonder how many have that mindset.

Jole: Brandon: I think it's very important that we find ways to address that apathy.

Brandon: @Jole - I agree

Jole: I suspect that people who say that haven't thought very deeply about it.

Michael: A lot of my colleagues seem to thing the sacrifice is worth it in the abstract name of progress.

Angie (Moderator): Getting the URL now

Jole: I'm working on finding ways to ask good questions to open people's minds on this issue.

Brandon: @Jole: Possibly. One in particular is a very intelligent person. He just genuinely doesn't care and I've had trouble explaining why he should be.

Brandon: @Michael: Exactly. That is the mentality.

Claire: There's a difference between being apathetic about your privacy and consciously deciding that you're willing to trade some privacy for the ability to use a service (e.g. Facebook), though.

Hannah: @Claire: very good point. I often encounter people (including myself) who opt for convenience over privacy

Brandon: @Claire - fair point. Except that data collection is prevalent even when there's not consent.

Claire: @Brandon - true.

Jole: part of the issue is that we have a system set up to create a dichotomy between privacy and convenience.

Jole: I would love to consider other models!

Brandon: @Jole - yes

Hannah: Perhaps that is the core of the issue

Angie (Moderator): If you're fascinated by Wendy's angle, Jole has another session with different tools that also relate to making conscious choices about privacy

Amy (Staff): We'll find the requested youtube link and send it in the chat towards the end Thks

Michael: We are also starting to have the issue of younger people never having experience a world without these conveniences/issues so they don't fully understand the alternative. It is hard to convey the importance of privacy to a group of students who've never really had it.

Jole: I'll try to address that some in my session tomorrow @Michael

Kristin (Staff): Amazon books

Peggy: probably Amazon was my first experience with online tracking

Caroline: Seeing ads in twitter, amazon, facebook based on searching

Brandon: Yes, Amazon. And Google Ads

Jole: signing up for Gmail and understanding that they were scanning my email content for marketing purposes

David: I've purchased items from the grocery store using the Android Pay app and then received ads for the same items I purchased later

Beth: Superstore coupon printouts at the checkout!

Stephen: searching for info on my car, and soon after adds for that brand car starting appearing.

Sara: bought a baby gift on amazon for a friend and suddenly all the ads I saw on every page seemed to be baby stuff

Lynn: Gmail ads.

Renee: Trying to help students do searches and realizing they all were getting different responses. On shared school devices, it is crazy.

Michael: I've been aware of online tracking since I was very young as I did a lot of things online where people who actually break into your connections, steal your ip, etc.

Amanda Morris: When at work I was looking up something and then when i got home it was an ad on my facebook

Shelley: I posted a link to a Domestic Violence event for which I was volunteering, and all of a sudden I started getting ads both advertising 'services for people in abusive situations' and dating sites.

Kristin (Staff): @David - Google now can do cross-conversion tracking. Kelly on our team has written a case study about how Google collects data about where you are searching and then can buy credit card data to find out if you visited the brick-and-mortar store. That'll be in our second book!

Shelley: It struck me because of the danger someone in such a situation might encounter if an abusive partner is 'tracking' their net usage and even though they may clear their searches for help, these ads will make it very clear they're looking for a way out.

Kristin (Staff): @Shelley - that was an issue when Facebook required real names -- those who were victims of abuse felt very unsafe

Angie (Moderator): Pew: http://www.pewresearch.org/fact-tank/2016/01/14/key-findings-privacy-information-sharing/

Angie (Moderator): http://www.pewresearch.org/fact-tank/2016/09/21/the-state-of-privacy-in-america/

Caroline: @Shelley that's horrific

Angie (Moderator): http://www.pewresearch.org/fact-tank/2016/09/21/the-state-of-privacy-in-america/

Jole: yes, Wendy. It could be very interesting to think about: what conclusions might been drawn about me based on what I purchase?

Angie (Moderator): http://www.pewresearch.org/fact-tank/2016/01/14/key-findings-privacy-information-sharing/

Peggy: is that true for all browsers? option to clear cookies at the end of each session?

Shelley: @Kristin @Caroline - you're telling me. It became so apparent I made it a part of my 'social media awareness' presentation that I deliver to people of all ages.

Jole: floss your browser daily

Jole: yes! https everywhere!

David: Can you talk about the pros and cons of VPNs and the Tor Browser? Opera for example, has a built-in VPN.

Peggy: https://www.eff.org/https-everywhere

Angie (Moderator): https://www.operavpn.com/

Shelley: Question for presenter: How do you impress upon people in general the importance of net privacy when their 'idea' of privacy is so very different from generations past (i.e. those born 'analog/non-digital')?

David: I use Opera's VPN and now my ads are targeted to places where I don't live!

Brandon: Great. DuckDuckGo - was going to ask about sites like this. :)

Angie: Made a note of your question

Jole: there's a mobile browser for duck duck go

Angie (Moderator): https://duckduckgo.com/

Brandon: Does DuckDuckGo have same broad search capacities as Google, etc?

Michael: I use DuckDuckGo myself.

Michael: @Brandon It sort of does, but it does have its differences.

Brandon: @Michael: Thanks

Hannah: What if you use DuckDuckGo while logged into Chrome? Seems like a silly question, but does it protect against the other kinds of tracking that can occur within the browser?

Peggy: https://www.startpage.com/

Denise: I've made the DuckDuckGo several years ago, as it's an option in my Mac and iPad. I've set it on some computers at school, but kids go to Google.

Hannah: If someone has a Chromebook, for example.

Claire: Are there any security concerns involved in using TOR?

Michael: Have any of you used the browser called Brave?

Brandon: Very cool and interesting (Ghostery)

Kristin(staff): I LOVE Ghostery. "Flabbergasted" is exactly the word I would use for what you'll learn.

Jole: I'm fascinated by this, but I wonder if we think our searches build a dossier about us, is it a great idea to have randomly generated searches associated with us?

Peggy: interesting comparison between duckduckgo and Google (favoring duckduckgo) https://thenextweb.com/opinion/2015/07/03/why-i-switched-from-google-to-duckduckgo-its-all-about-the-bangs/

Angie (Moderator): https://trackmenot.en.softonic.com/

Brandon: @Peggy: Thanks!

Jole: <3 signal

Peggy: that sounds really interesting! do not link.it :-) new to me!

Jole: i use proton mail. love it

Kristin (Staff): CERN are the Higgs-Boson/God particle scientists!

Angie (Moderator): https://protonmail.com/

Jole: proton mail was developed with crowdsourced funding in support of privacy as a value

David: Do you know if ProtonMail is open source? Without being able to read their code, who knows who is collecting data from your emails.

Brandon: Does anyone else notice, the more you click "unsubscribe" from junk mail, the more junk mail you get in your inbox? Interesting. Maybe it's just a coincidence. :) haha

Jole: yes, proton mail is open source

Sheila : okay

Kuchta:thanks

Peggy: not a coincidence Brandon :-) it confirms you have received and read the email.

Jole: our students are definitely using multiple instagram accounts

Peggy: Danah BoydΓ¯ÇÖs book is amazing and free :-)

Brandon: @Peggy: I figured. And for everyone else - what sort of means are available to reduce junk mail that goes to your inbox? Besides starting from scratch and using some of these tools?

Kim: where can you get it for free?

Anna: @kim: https://www.danah.org/books/ItsComplicated.pdf

Kim: thanks

Anna: :)

Angie (Moderator): https://www.danah.org/books/ItsComplicated.pdf'

David: I always give my birth year as 1905.

Angie (Moderator): There will be a resource page after the session too

Brandon: @David - Nice.

Karen: Interesting.

Jole: i sometimes enter friends' phone numbers at the grocery store check out

Sheila: I'm still learning

David: uBlock Origin for adblocking.

Jole: if I give fake info for a loyalty card they can still link it to my name when i use a credit card

Brandon: Agreed - still learning. This presentation is very helpful.

Peggy: not turning in hotel electronic keys which store credit card data

Michael: I used to use TOR pretty exclusively, and I've been experimenting with this new browser called Brave that's still in development that purports to have some things to go against tracking Here's a link to their page https://brave.com/

Shelley: I do not give my social security number out unless legally necessary. I also have a generic email account populated through a third-party TOR that I use to sign up for things I'm interested in - anyone trying to track me through that email address is going to think I'm an 87-y-o ethnically ambiguous frog-person.

Leslie: I have a home phone number because it came with the package, but we don't actually have a phone in the house. I always give that number to a company I don't want to actually call me.

Jole: this could be fun to brainstorm with kids

Sheila: I would love to block ads

Peggy: great suggestion Shelley!

Michael: I also use tons of fake information for pretty much everything, and I have like 60 dummy email accounts.

Peggy: I use ad blocker extension on Chrome

Shelley: @Leslie - I did the same thing!

Jole: could we get students to see dodging or confusing marketers as "winning", as Wendy says?

Angie (Moderator): What about being in a GAFE environment?

Amanda: I use ad blockers too and I honestly limit what I share and when. I will admit I use my work email more than my personal.

Amy: So much awareness for privacy importance

David: I rooted my Android tablet and installed an open version of Android without all the Google add-ons.

Peggy: I think you have to assume that what you do online is not private so if you're worried about something you're posting, don't post it

Tina: very useful information…

Jole: I'll also talk tomorrow about working with students to consider the ethical implications around privacy

Sheila: thank you

Sara: This has been very helpful, I have been very naive about this issue

Linda: thank you

Karen: Thanks for all the great ideas and tools.

Jole: great presentation, Wendy

Caroline: Thanks!

Angie (Moderator): If you asked a question before, you can ask it again now

Peggy: thanks Wendy for all of your great tips and resources! I learned a lot!!!

Brandon: Yes, thanks much!

Angie (Moderator): How do you impress upon people in general the importance of net privacy is so different?

Alexandria: Thank you! That was awesome and so informative!

David: Thank you, Wendy.

Denise: How can we get the severity of this out to teachers and students?

Shannon: Thank you from Vermont!

Angie (Moderator): Pros & cons for VPNs vs TOR?

Beth: It would be awesome to have everything on one page - Thanks!

Susan: Great info for personal use and students! Thank you.

Shelley: Question for presenter: How do you impress upon people in general the importance of net privacy when their 'idea' of privacy is so very different from generations past (i.e. those born 'analog/non-digital')?

Angie (Moderator): Duck,duck, go into Chrome

Shelley: thanks so much. I learned some much.

Beth: Thanks so much for a fascinating & informative presentation!!

Amy (Staff): I've been sending privately

Jole: one approach is to get students to identify for themselves what, when, how privacy matters to them. certainly teens know how to protect their privacy from their teachers and parents

Jole: this IS something they care about. we can find ways to draw those connections for them

Brandon: @great easy idea Jole

David: Students have had their digital footprint monitored by schools. Harvard just de-admitted a number of students for the (rather objectionable, frankly) Facebook posts. That's how you tell them it matters.

Shelley: Perhaps I should clarify - I've noticed a lot of my traditional UG students believe privacy is self-assumed - e.g. if they don't give someone permission to look at their Facebook profile, then they shouldn't, and if they do - it's a privacy violation. You shared a lot of great resources RE: trails and cookies that can help emphasize this. What other strategies can we use to 'break' the idea of privacy as self-controlled vs universally accessible?

Brandon: Good point about health info. Increasingly there are apps from the providers. Where we exchange info over "secure channels."

Jole: @Shelley, possibly some compelling case studies

Brandon: Unroll me? Did you say?

Denise: Students often leave their email accounts up when leave the computers.

Angie (Moderator): https://unroll.me/

Shannon: @Jole- I'd be really interested in leads to case studies you think are good to start with

Peggy: will this chat be part of the session recording? so many great suggestions and links!

Stephen: How effective is a computers virus software etc in assisting in keeping your privacy?

Beth: What do you think about an online password app? Always seemed a bit crazy to me!

Peggy: virus software just protects your computer from viruses -- not really for privacy

Angie (Moderator): Right, Peggy!

Amy: case studies Wendy talks about will be available in the Fall 2017 book!

Shelley: I share news stories but perhaps a compilation of 'social media missteps' as a case study would help too - thanks for the suggestion!

Anna: Princeton has a Web Transparency & Accountability Project (https://webtap.princeton.edu/). Their Web Census has a lot of information about trackers and where they show up/how they work.

Angie: Case studies are coming, Jole!

Shelley: Thanks for the excellent info, Wendy - greatly appreciate it.

David: The only danger I know of online password managers (like LastPass) is that all it takes is one data breach and there goes all your passwords. There are offline alternatives.

Angie (moderator): On our web site, too, for case studies

Beth: I don't like to let people know my home is empty right now!! Could be robbed! I also never say I'm away on a vacation!! When I get back, I talk about it!

Peggy: especially when you're leaving on vacation for several weeks!!

Amy (Staff): Our website: http://dataliteracy.si.umich.edu

Brandon: The person I referenced earlier about data protection/privacy (he doesn't care) leaves his front door unlocked. All the time. Maybe he's hopeless.

Angie (Moderator): I think having the conversation is important too

Jole: without awareness and understanding there's no free choice. once people know what they're risking and giving up for these benefits then they can make informed choices

Peggy: Evaluation Link: http://bit.ly/4tdl-stephens

Angie (Moderator): Eval link: http://bit.ly/4tdl-stephens

Renee: I think that is the bottom line - informed choices. If you know what is being collected and what can and is being done with it, then you can choose what to do or not do.

Jole: thanks so much, Wendy!

Peggy: ☺

Angie (Moderator): http://bit.ly/4tdl-stephens [evaluation link]

Alexandria: Thank you!!!

Amanda: Thank you so much!

Sheila: thank you

Peggy: did you post the youtube link? Didn't see it

Karen: Thank you, thank you - Wendy!

Danica: Thank you so much!!

Michael: Thanks.

Stephen: Great session.

Shelley: Thanks!

Amy: All of the information from Wendy will be available later

Peggy: Thanks so much Wendy!

Caroline: Thanks

Leslie: Thanks Wendy!

Beth: How do we contact you for speaking appts?