

Chat Transcript (edited)

4T Data Literacy Conference – July 20, 2017

Social Explorer | Justin Joque

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

Angie (Moderator): Hello, everyone!

Peggy: it has been a fabulous day of learning and sharing! excited to learn about SocialExplorer! new to me!

Susan: I do really love this conference! Thanks, U of M From, Your friendly Spartan.

Kristin (Staff): What? There is such a thing as a friendly Spartan? :)

Kathy: Door prizes!!

Jennifer: I'm a friendly Spartan :)

Susan: Thanks for backing me up, Jennifer :)

Peggy: those are awesome prizes!!

Kristin (Staff): Angie wrote two of the books! :)

Caroline: Go Green!

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

Kristin (Staff): And watch your email — tonight, we'll send out links to Friday's sessions. You do not want to miss sessions on citizen science, student data, more on privacy, and easy tools for analyzing data.

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

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

Angie (Moderator): 4tdl

Linda: Will we be able to see recordings of sessions that we were not able to attend live?

Kristin (Staff): You bet. However, since we cannot validate your attendance, you cannot use archived sessions toward SCECH credits or the certificate

Linda: Perfect - thank you!

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

Peggy: repetition is always good :-)

Linda: And the webinars from this summer AND last summer are going to be in our upcoming book. You'll get the URL to the archived session plus discussion questions and activities so you can easily use these conference activities for local PD with your peers

[To protect participant privacy, answers to the query of where people are from have been removed from this transcript.]

Beth: After the last 2 presentations, I'm afraid to give my location info online! Tee hee!!

Michelle: It's nearly 6 am Friday, woke up at 1:30am but it has been absolutely worth it!

Linda: Beth - I know!

Angie (Moderator): Beth: AWESOME!

Angie (Moderator): Awww ... Thanks, Michelle!

Amy (Staff): Good takeaway, Beth

Dawn: Sounds good!!

Peggy: Dedicated learner @Michelle! You are a real inspiration!

Renee: What grade levels for the lessons?

Angie (Moderator): We're focusing on high school: Renee

Linda: @Renee - because grade levels cover different curriculum, ideas will be more general instead of pegged to a particular grade level

Kristin (Staff): @Renee - what grade are you looking for? Maybe I can help you brainstorm

Michelle: Thanks Peggy! It's related to my uni course and useful for my home life as well.

Dana: <https://www.socialexplorer.com/>

Brandon: Haha

Renee: Grade Levels - primarily middle school but also in a smaller way 3rd - 5th

Stephen: I've done lots of family census research, and because of my families German background, the language barrier created various last name spellings over the years, making it hard to track.

Amy (Staff): <https://www.census.gov/data.html>

Kristin (Staff): OK, @Renee — I think I can help. Most of what he's going to discuss will fit nicely with US History in 8th grade and 5th.

Kristin (Staff): Trivia: Anybody know when the first Census was conducted in the US?

Colleen: 1820 i believe

Kristin (Staff): Earlier!

Sandy: 1790

Kristin (Staff): You're right!

Stan: This can be connected to the C3 Framework's Arc of Inquiry:
<http://www.c3teachers.org/inquiry-design-model/>

Kristin (Staff): Yes - there's that great chart in C3 that talks about the kind of data that various types of social scientists use

Angie (Moderator): Woohoo! We're at 98 attendees!

Angie (Moderator): Or total of 99!

Angie (Moderator): So close!

Laura: household could mean grandparents too

Linda: Who lives together?

Cassandra: dependents

Claire: Close relations vs people living together?

Peggy: family doesn't have to live in same house?

Nicole: Household - living under the same roof

Lynn: household all individuals in a house

Karin: Family is the core unit and household is whomever is living in the house, be it renter, etc.

Amy (Staff): is a single person a "family"?

Susan: household doesn't have to be family.

Amanda: household is everyone in house. Family is your spouse and children. I think :)

Michael: Households had maids and servants listed at times.

Lynn: family related members

Beth: family - related? household same house but unrelated?

Alicia: anyone in the house

Liz: College roommates would not be family

Stephen: Family = parent-Child \ Household all in the house.

Sheila: I don't

Stan: Great use of a compelling question?

Peggy: wow!!! interesting to see that definition!

Angie (Moderator): You could do this with kids: Stan

Kristin (Staff): @Sheila - thanks for being honest!

Angie (Moderator): One of the Data Geek books is about statistics and data comprehension

Kristin (Staff): Angie wrote it!

Angie (Moderator): In the 1st book from this project, we have a whole chapter about statistical literacy including information about this project

Peggy: mean rarely provides useful information in my experience—doesn't apply to any one group/person and can really skew what is taught in a class if you're teaching to the mean.

Susan: Defining terms within context is essential to using all types of information. Good info here.

Kristin (Staff): And the issue of mean vs median vs mode comes up a lot in our book *Creating Data Literate Students*. Soon, you'll be able to order it from Amazon, but you can get it in PDF form right now here —> <http://datalit.sites.uofmhosting.net/book/>

Angie (Moderator): Find more at <http://datalit.sites.uofmhosting.net/conference/> about the project

Kristin (Staff): Check out Lynette Heeler's chapter there!

Alicia: thanks for the links

Angie (Moderator): Lynette Hoelter ...

Kathy: Thank you for sharing the PDF

Stan: Typically, 5th graders can start to compare central tendency. Ask them to compute their classroom grades, for example :)

Caroline: Why did founding fathers include?

Kristin (Staff): It was a practice brought over from their English roots, I believe ...

Peggy: Kristin, thanks a lot for the link to the PDF for the book!!

Renee: Try enter full screen OR if you are in full screen, double-click on it and it will get smaller but that might then show the full screen

Linda: Just learned: After many of years of service, the University of Virginia Library's Historical Census Browser site is permanently closed. They are sending people to Social Explorer

Renee: Did you try to get out of full screen?

Angie (Moderator): Wow: Linda

Peggy: <https://www.socialexplorer.com/pricing>

Angie (Moderator): Thanks, Peggy!

Angie (Moderator): Again, you can follow along or go to Social Explorer yourself

Angie (Moderator): might want to be in Full Screen for this to see everything

Angie (Moderator): Thanks: Caroline!

Angie (Moderator): Thanks to Linda for sharing the Historical Census Browser info from UVA:
<https://mapserver.lib.virginia.edu/>

Alicia: is there a site that allows for the comparison of data between countries?

Cynthia: I'm sorry if you already answered this. I came in late. This is only 2000 data? not 2010?

Angie (Moderator): Alicia: We'll ask Justin at the end too

Karin: Decennial is free. Newer you gotta pay for.

Kristin (Staff): <http://americanfactfinder.census.gov> ← so much to see here!

Linda: What about from EARLIER years (1860, 1920, etc.)?

Angie (Moderator): I like this: <http://data.worldbank.org/indicator> for world data

Kathy: <https://mapserver.lib.virginia.edu/> Seems to be closed but viable links on this page.

Kristin (Staff): Peggy posted this earlier, but here are the pricing tiers for Social Explorer:
<https://www.socialexplorer.com/pricing> . @Linda, the free Social Explorer USED TO have historical census data (all but newest census data) for free — that was AMAZING!

Angie (Moderator): Kathy: Yep ... Lynda mentioned that it shut down because of Social Explorer

Kristin (Staff): Here is where the magic of Social Explorer starts ...

Kristin (Staff): For election data, being able to search at a more granular level like this is amazing. State election data shows winner and loser. County data shows who won in rural vs urban areas

Peggy: can't wait to fully explore this on my own! incredible data!

Angie (Moderator): Kids love Social Explorer

Kristin (Staff): @Peggy - I KNEW you'd like it. :)

Angie (Moderator): They always look up stuff in their home town

01:30:23 Amanda Morris: The amount of data on just this one site is incredible!

Kristin (Staff): And you can make historical ideas VISUAL

Kristin (Staff): And remember that in a few months, you'll be able to buy (or download for free) a book with the link to this webinar in addition to discussion questions and activities so you can re-use this content in a PD session without breaking a sweat.

Alicia: great for IB inquiry lessons and linking multiple content areas like math and geography for many age levels

Peggy: I'm not seeing those categories in my browser (not logged in).

Angie (Moderator): Peggy: Did you click on Change Data in the upper left?

Linda: farmers?

Peggy: yes

Stephen: and ranchers

Laura: very interesting...changes your perception

Peggy: I just see population density

Kristin (Staff): And ... the pop density is lower in rural areas. So this might be measuring AREA more than # of people. This is similar to the election map Trump likes to show - huge swaths of the US marked red, but part of the red is because there aren't many people living in some of the areas.

Kristin (Staff): Philip Bump at the *Washington Post* wrote about this phenomena here:
<https://www.washingtonpost.com/news/politics/wp/2017/05/13/at-last-an-electoral-map-thats-to-the-proper-scale/>

Kristin (Staff): (Mr. Bump actually does a lot of interesting stuff with visualizations - my favorite is his calendar visualizations coded by whether or not he was playing golf)

Peggy: fascinating Kristin!!

Angie (Moderator): Okay ... Peggy: When you click on Change Data again You should get a bar with all of the years

Angie (Moderator): Do you get this?

Angie (Moderator): There is a Categories arrow there

Laura: @Kristin...another part of data literacy - how to read the chart, etc

Kristin (Staff): And the Trump maps aren't *wrong* — we're just weighing acreage more than population in them

Peggy: got it!!! woo hoo! I was clicking on the dropdown arrow :-(Thanks!

Angie (Moderator): Right, Laura: Look at our materials from last year

Angie (Moderator): Justin wrote a book chapter as well

Kristin (Staff): @Laura - for sure! Check out <http://datalit.sites.uofmhosting.net/book/> for Justin's chapter on data viz . He's just great at explaining data viz in a way that is accessible

Kristin (Staff): Jinx!

Laura: @Kristin - will do! Th u!

Peggy: they have thought of so many things to make this data powerful to use!

Kristin (Staff): Last year we had a bunch of sessions on data viz

Kristin (Staff): <http://colorbrewer2.org/>

Laura: @Kristin, excellent!

Stan: Yes, ColorBrewer is a great resource.

Evan: Nice! I'm going to have to bookmark that.

Stephen: Great, some of us who are colorblind have fits when using charts.

Kristin (Staff): For our Brisbane pal, you might find this page on the Australian Bureau of Statistics useful (since Social Explorer is Americentric):
<http://www.abs.gov.au/websitedbs/D3310114.nsf/home/Interact+with+our+data>

Stan: Great when you have to post items for ADA compliance.

Peggy: funny! number was 16 on that tract!

Michelle: Thanks Kristin! That's really cool

Peggy: can you do side by side to compare data for the same area in two different time periods?

Kristin (Staff): Yes, Peggy, you can!

Peggy: amazing!!!!

Kristin (Staff): (In paid version, anyway.) History teachers get really excited because they can literally see things like how cities develop over time or how different ethnic groups enter/exit various regions

Peggy: that would be really powerful Kristin!!

Angie (Moderator): Peggy: There is American Fact Finder info for different years

Dawn: This is great information!!

Kristin (Staff): I think, too, what this tool does is make us as educators curious about what we can figure out via different visualizations, which makes us enthusiastic to share with others

Angie (Moderator): <https://www.socialexplorer.com/pricing>

Karen: Thanks for this resource

Angie (Moderator): I would I ask about educational discounts

Laura: Excellent overview Justin!

Linda: Need flash to view this, but shows immigration on map over time
<http://www.nytimes.com/interactive/2009/03/10/us/20090310-immigration-explorer.html>

Kristin (Staff): And see if you can do a purchase at the county/regional level, which is almost always cheaper than each school buying it separately. Also, remember that public libraries are often eager to know what resources they can purchase to benefit schools — always worth asking!

Kathy: Great explanation and demonstration! Thank you!

Angie (Moderator): Here is the site Justin is talking about —> <https://www.nhgis.org/>

Dana: Congratulations for the great presentation! I learned a lot from you. Thank You!

Kristin (Staff): census.gov has a lot of great tools for looking at data — it's fun to spend an hour exploring

Laura: Great tool, I agree, not a lot of college students are ready to really dig into the raw data and do it themselves. This is a great first entry into using data to tell a story

Caroline: Is that picture from an old college campus?

Peggy: I can see how this could be very addictive!! Once you start exploring you can't stop!

Kristin (Staff): @Laura - Agree - the sense of data storytelling students can draw from this is great.

Dana: The picture is from the 1930s?

Angie (Moderator): I'm going to ask Justin about the photo ...

01:47:35 Kathy Haydon: U of M 1950

Peggy: I keep running into categories that say professional edition only.

Laura: very cool photo...look how many people needed to do that work

Peggy: I definitely understand why it can't all be free!!! :-)

Denise: Steve Ballmer Serves Up a Fascinating Data Trove
<https://www.nytimes.com/2017/04/17/business/dealbook/steve-ballmer-serves-up-a-fascinating-data-trove.html>

Caroline: door prize idea for next year!

Kristin (Staff): I know I'm a broken record, but check out Debbie Abilock's chapter in our new book — she talks about how changing nomenclature over the years can make it tricky to compare some census data over time: <http://datalit.sites.uofmhosting.net/book/>

Shelley: I definitely will read the chapter by Ms. Abilock. Thank you.

Matthew: Photo <https://www.flickr.com/photos/uscensusbureau/7024455831/>

Peggy: just a "few" tabs open from this session!! and I cleared them all before this session started. :-) So many great resources!!

Sheila: thanks you

Laura: @Peggy, me too..so many tabs open now! (:

Angie (Moderator): Eval link: <http://bit.ly/4tdl-joque>

Kristin (Staff): And there's more tomorrow — wait until you see Databasic.io in the 3:45 session!

Beth: Thanks for a great session!

Laura: Great presentation Justin! Th u!

Michelle: Thanks for a fun session

Alicia: is there a site where students could create their own census, for example of their school community?

Peggy: This has been mind-boggling Justin!! I had no idea all of this was available! Powerful tool!!!

Kristin (Staff): Watch your email tonight for a newsletter about tomorrow's sessions (check your spam folder or <http://datalit.sites.uofmhosting.net/book/> if you don't receive it)

Angie (Moderator): Eval link: <http://bit.ly/4tdl-joque>

Caroline: Will census data ever be gathered digitally you think?

Shannon: Really interesting look at a tool that was not previously on my radar. Thank you!

Amanda: Thank you for an incredible session!

Peggy: would love to see some student-created infographics with their community census data!

Michelle: We attempted a digital census, there was a huge brouhaha about it

Shelley: I loved the session. The Census has come along way from the print copies. found different ways to use the SocialExplorer that I had not used. thanks so much

Peggy: Michelle, was that because you were collecting original data and not using the databases?

Tyler: @Caroline: It already is! The American Community Survey can be filled out online.

Kristin (Staff): Justin, you once told me a story about how certain families were counted differently in Canadian census versus US census — am I remembering that right?

Evan: The local community I live in does community surveys of homeless people periodically.

Michelle: Oh, sorry, should have specified: this was national. The site wasn't able to cope with the volume of traffic on Census Night

Peggy: aha Michelle! That clarifies it! Thanks!

Angie (Moderator): Thanks, Michelle!

Michelle: In conjunction with grand claims about the security, which drew hackers who caused various issues.

Angie (Moderator): <http://bit.ly/4tdl-joque>

Kristin (Staff): I love how Census methodology can reflect our mores and culture at various points in time

Alicia: the next census should be especially interesting... especially in terms with how they are including different genders and relationships

Caroline: Cool @Tyler

Peggy: very true Alicia!

Kristin (Staff): The other challenge with the upcoming Census is that it is woefully underfunded — and its head resigned as a result. It's a real question mark right now

Stephen: Total number of people vs percentage of people can look very different on a map.

Peggy: immigrant data will be interesting to track too

Beth: voluntary? what's the point?

Angie (Moderator): Info on the U.S., census, funding:
https://www.washingtonpost.com/local/social-issues/us-census-director-resigns-amid-turmoil-over-funding-of-2020-count/2017/05/09/8f8657c6-34ea-11e7-b412-62beef8121f7_story.html

Alicia: yes, interesting depending who is running the gov

Alicia: thank you Justin, really thoughtful and interesting talk and intro to the website

Peggy: outstanding presentation Justin!!! Your demo was really helpful!!!

Kathy: Here, Here!!

Caroline: Thanks for info and walk through Justin!!

Michael: Thanks for the presentation.

Alicia: Thank you Kristin!

Beth: What time is the first session tomorrow?

Sheila: again, thanks you

Evan: Thank you both

Kristin (Staff): We start at noon. The last session concludes at 4:45. (Eastern time)

Michelle: Thanks again, looking forward to tomorrow's presentations

Alicia: i believe the first one is at noon

Peggy: Thank you everyone! Awesome moderators too!!

Dana: Congratulations for the great Conference 2017!

Alicia: thank you

Amanda: Thanks again. You too!

Beth: Perfect! Thanks so much!!

Nika: Thank you!

Angie (Moderator): Link again: https://www.washingtonpost.com/local/social-issues/us-census-director-resigns-amid-turmoil-over-funding-of-2020-count/2017/05/09/8f8657c6-34ea-11e7-b412-62beef8121f7_story.html

Kristin (Staff): Beth, you can find the schedule for tomorrow here if you want details before the nightly newsletter comes out: <http://datalit.sites.uofmhosting.net/conference/schedule/>

Stephen: Thank you.

Angie (Moderator): Eval link: <http://bit.ly/4tdl-joque>

Angie (Moderator): Don't forget to fill out the eval for door prizes