[PLEASE STAND BY FOR REALTIME CAPTIONS]'S GOT THEY ARE DOING THAT. THIS SECOND ADDITION IS THE REGIONAL ANALYST ADDITION. IT WAS ISSUED A YEAR AFTER AND WAS DESIGNED PRIMARILY FOR CHAMBERS OF COMMERCE AND ORGANIZATIONS. THIS IS ALL ALL ADDED BECAUSE SOMEONE ASKED FOR IT. IT. NOT BECAUSE THEY THOUGHT IT WAS A GREAT IDEA BUT BECAUSE YOU ALL THOUGHT IT WAS A GREAT IDEA. IN VERSION 2.6, WE ADDED DATA FROM THE BUREAU OF LABOUR STATISTICS. THIS DATA WAS ADDED BASED UPON FEEDBACK WE GOT FROM FEMA WHO USED THAT

>>> FULL-SERVICE RESTAURANT ARE NOT SHOWN.

>>> I MENTIONED EARLIER THAT WE HAVE DATA ON BUSINESS SIZE, THAT'S ONE OF THE THINGS WE ADDED IN 2.6, YOU SEE THAT BY [INDISCERNIBLE] SO HERE'S THE TOTAL NUMBER OF RESTAURANTS IN THE COUNTY BUT RIGHT NEXT TO IT IF I CLICK ON THE SPARROW, I CAN NOW BREAK OUT THAT TOTAL IN THE RESTAURANTS THAT HAVE MORE THAN FOUR EMPLOYEES HIM A 5-9, 10-18, YOU CAN SEE THE BREAKOUTS. TO BREAK OUT THE NUMBERS BY THE SIZE OF THE BUSINESS. THAT IS ONE OF THE NEW FEATURES.

>>> THIS FUNCTIONALITY OF ALLOWING YOU TO DRILL DOWN IN MORE DETAIL, WE USED THIS IN THE CONSUMER SPENDING MENU. SOME OF YOU HAVE BEEN USING THIS BUSINESS OWNER HAVE COMMENDED TO ME PERSONALLY THAT THE MENU WAS REALLY LONG, ABOUT 85 [INDISCERNIBLE] IN THAT MENU. WITH ONLY ANNOYING, IT WAS HARD TO NAVIGATE. SO NOW WE HAVE ACTUALLY NESTED THEM UNDER THE BRIGHT MENUS. SO I WAS INTERESTED IN RESEARCHING OPENING A RESTAURANT IN [INDISCERNIBLE] COUNTY, KNOWING HOW MUCH PEOPLE SPEND ON DINING OUT MIGHT BE REALLY GOOD. BUT IF I WANTED TO DECIDE WHETHER MY RESTAURANT WOULD COULD SERVE BREAKFAST, LUNCH AND DINNER I JUST LUNCH AND DINNER OR JUST DINNER, SEEING HOW MUCH THEY SPEND ON BREAKFAST, LUNCH AND DINNER MIGHT BE REALLY NICE. YOU CAN SEE WE HAD THIS OF LUCKY TO LOOK AT THE TOTAL AND THEN THE ADDITIONAL BREAKOUT, WE USE THE SAME SORT OF FUNCTIONALITY FOR THESE TYPES OF THINGS. AS WE DID FOR THE ADDITIONAL DRILL DOWN.

>>> HERE'S THE MENU WHERE WE COULD ADD IN MY OWN DATA. THE ENHANCEMENT THAT WE HAD IT IN PERSON 2.5. SO FOR THE MOST PART, THOSE ARE THE MAIN SOURCE OF CHANGES THAT WE HAVE SEEN IN THE 2.6 VERSION OF THE SMALL BUSINESS EDITION. THERE HAS BEEN A FEW OTHER TWEAKS AS WELL OF THE ABILITY TO DRILL DOWN AND SEE THE ZIP CODE LEVEL DATA AND ACTUALLY SEE THE ACTUAL ZIP CODES AS OPPOSED TO JUST SIMPLY THE BOUNDARIES OF THAT, THAT WAS SOMETHING EIGHT-WEEK THAT WE ADDED BASED UPON SOME CUSTOMER FEEDBACK AS WELL.
>>> SO NOW LET ME GO IN AND SHOW YOU THE NEW FEATURES THAT WE ADDED INTO THE REGIONAL ANALYST ADDITION. NOW WE GO BACK OUT TO THE BUSINESS.GOV WEBSITE AND THEN GO BACK TO EXPLORE DATA. DATA TOOLS AND APPS, THEN SCROLL BACK DOWN TO MY MENU. AND CHOOSE SEND CONSENSUS BUILDER BUT NOW THIS TIME I WILL CHOOSE THE REGIONAL ANALYST ADDITION. EDITION, WE WILL ZOOM IN AND IT IS NOW GOING TO BRING TO THIS PAGE WERE I DON'T ACTUALLY HAVE TO CHOOSE TYPE OF THIS IS ANY MORE. AS I MENTIONED BEFORE, THE REGIONAL DECISION WAS DESIGNED FOR CHAMBERS OF COMMERCE AND OTHER SORT OF REGIONAL PLANNING AUTHORITIES. SO FOR THEM, THEY DON'T WANT TO KNOW ABOUT ONE TYPE OF BUSINESS IN THEIR AREA, THEY CARE ABOUT ALL THE BUSINESSES THAT ARE IN THAT AREA. SO THIS TOOL LETS THEM LOOK AT THE DATA FOR ALL TYPES OF BUSINESS. SO I WILL GO BACK TO MY EXAMPLE OF LOOKING AT [INDISCERNIBLE] COUNTY SO I WILL GO INTO THIS COUNTY NEW YORK. AND NOW, LET'S SAY I NOW NOT ONLY WANT TO LOOK AT, I'M THINKING SO BIG THAT MY RESTAURANT WILL BE SO POPULAR THAT I KNOW WANT TO

NOT ONLY LOOK AT THE POPULATION AND DEMOGRAPHICS AND THE PEOPLE THE BUSINESSES THAT ARE IN [INDISCERNIBLE] COUNTY BUT I WANT TO BUILD A REGION OF ALL THE COUNTIES AROUND [INDISCERNIBLE] COUNTY, ALL THE COUNTIES AROUND THE CITY OF SYRACUSE. SO PREVIOUSLY I COULD GO IN AND CLICK ON EACH OF THESE COUNTIES ONE AT A TIME. USING THE EDIT REGION BUTTON AND BY CLICKING ON GEOGRAPHY. AND NOW IN VIEW VERSION 2.6 WE ADDED THE NEW DRAWING TOOL. YOU DON'T NEED TO DRAW A RECTANGLE, DRAW CIRCLE, OR DRAW A POLYGON. SO I WILL GO AHEAD AND SAY I WILL DRAW A RECTANGLE. AND NOW I WILL DRAW A RECTANGLE AROUND ALL ONDAGA COUNTY SO AS SOON AS I DO THAT AT NOW WILL IDENTIFY WHAT ARE THOSE GEOGRAPHIES THAT I AM INTERESTED IN, I CAN THEN ADD THEM TO MY REGION. LIKE BEFORE, I CAN NAME THAT REGION. SO I WILL CALL THIS SYRACUSE AREA. AND WHEN I AM DONE EDITING, NOW THE APPLICATION IS GOING TO HAVE SELECTED ALL OF THOSE GEOGRAPHIES THAT I JUST SELECTED. SO I WILL TELL YOU, THIS IS ESPECIALLY VALUABLE WHEN YOU ARE TRYING TO BUILD A REGION OF NOT JUST COUNTIES BUT THE OTHER LEVELS OF GEOGRAPHY, WE'VE GOT A LOT OF USERS WHO WANT TO BUILD REGIONS OF LARGE GROUPS OF CENSUS TRACTS OR ZIP CODES. BUT NOT THE ENTIRE CITY. SO I WAS TALKING TO A USER THE OTHER DAY IN THE CITY OF CHICAGO WHO WAS TRYING TO HOLD A PROFILE OF ABOUT CHICAGO, SHE HAD A LIST OF ZIP CODES THAT SHE CONSIDERED ABOUT CHICAGO THIS TOOL NOW IN LIKE ONE SWEEP LET'S REBUILD ALL OF THOSE ZIP CODES IN ONE TIME RATHER THAN HAVING TO CLICK ON THE MAP ONE AT A TIME.

>>> NOW WE HAVE BUILT OUR REGION AND ONCE I HAVE BUILT IT, I CANNOT GO IN AND CREATE A REGION LEVEL REPORT THAT ACTUALLY AGGREGATES ALL THAT DATA FOR THAT AREA. IT IS GOING TO RE-TABULATE MY EMPLOYEES DATA, IT WILL RE-TABLET ALL THE PERCENTAGE CHANGES AT. NOW ONE COMMENT WE HAVE GOTTEN FROM USERS IN BIRZON 2.5 WAS THE ABILITY TO NAVIGATE FROM THIS SUMMARY LEVEL REPORT TO EACH OF THE INDIVIDUAL REPORTS FOR EACH COUNTY THAT MAKES UP THIS REGION, WAS SORT OF A PAIN. I USED TO HAVE TO BUILD THE REGION REPORT AND THEN I WOULD HAVE TO GO ONE AT A TIME AND CLICK ON EACH OF THESE CREATE INDIVIDUAL REPORTS TO BE ABLE TO GO IN AND LOOK AT THE PIECES, WE FIXED THAT IN VERSION 2.6 BY ADDING THE HYPERTEXT LINKS RIGHT HERE FROM THE MAIN MAP OR REPORT PAGE. I CAN CLICK ON ONONDAGA COUNTY NEW YORK AND LAUNCH IT SPECIFICALLY FOR THAT COUNTY. WHICH LETS ME THEN IDENTIFY THE COUNTY PIECES OF THIS TOTAL. SO IF I NOW SCROLL DOWN, I CAN SEE IN THAT AREA, 1.1 MILLION PEOPLE, ABOUT 5.5% OF THEM ARE UNDER FIVE, 21.2% ARE UNDER 18, I HAVE ALL OF THIS NICE AGGREGATED DATA IN THIS NICE REPORT, THESE REPORTS CANNOT BE BOOKMARKED. SO IF I COPY THIS URL AND SEND THAT YOU WERE OUT TO A COLLEAGUE, THEY CAN THEN CLICK ON THAT LINK AND IT WILL BRING THEM RIGHT BACK IN SUPPORT RIGHT WORD I LET THEM. FOR THOSE OF YOU WHO ARE REAL NERDS AND REALLY ARE INTO THIS WHOLE THING, YOU MIGHT NOTICE THAT THE STRING OF ALL OF THESE CODES HERE ARE ACTUALLY THE COUNTY CODES FOR ALL OF THOSE GEOGRAPHIES. WE HAD SOME USERS WHO COMMENTED THAT IT WAS REALLY HARD TO SEPARATE THE COUNTY CODES SO IN THIS VERSION WE ACTUALLY ADDED THE HYPHENS BETWEEN EACH COUNTY CODE. THAT ALLOWS YOU TO BREAK OFF AND IDENTIFY THE PIECES, THIS IS REALLY VALUABLE FOR PEOPLE WHO WANT TO REPLICATE THESE REPORTS WITHOUT HAVING TO GO MANUALLY ONE REPORT AT A TIME. SO THAT WAS SORT OF A NICE FEATURE THAT WE ADDED FOR THEM.

>>> ANOTHER THING THAT WE ADDED INTO CONSENSUS BUILDER WAS THE ABILITY TO DRILL DOWN TO MORE DETAILED DATA. IN BIRZON 2.5, WE INCLUDED DATA JUST FOR THE TWO DIGIT [INDISCERNIBLE] SO MIX 72, AND THE FOOD SERVICES AREA SO AS THE TERM CHAMBER OF COMMERCE EXECUTIVE OR INTERESTED IN RESEARCHING THE AREA, I COULD LOOK AT HOW MANY BUSINESSES ARE FOOD SERVICES HOW MANY ARE AGRICULTURE, HOW MANY ARE ARTS ENTERTAINMENT AND RECREATION

AND I COULD SCROLL THROUGH EACH OF THOSE SECT TOURS OF THE ECONOMY TO FIND OUT HOW MUCH OF THE ECONOMY IN THIS AREA IS MADE UP OF MANUFACTURERS FOR EXAMPLE. BUT THE TOOL ONLY USED TO SHOW TWO DIGIT MIX, THOSE BROUGHT TOTALS. YOU WILL NOTICE THIS ARROWHEAD BACK YEAR, WE CAN NOW DRILL DOWN AND LOOK AT THE THREE DIGIT BASE COACH. HOLD THE THOUGHT ABOUT DRILLED ON. WE HAVE THE ABILITY TO DO THAT AND ALL OF THE OTHER FEATURES THAT I SHOWED YOU IN THE SMALL BUSINESS EDITION. THE ADDITIONAL DATA ON QUARTERLY WORKFORCE INDICATORS, THE QUARTERLY DATA FROM THE BUREAU OF LABOR STATISTICS, ALL OF THAT INFORMATION IS NOW AVAILABLE IN THE REGIONAL ANALYST ADDITION AS WELL AS THE SMALL BUSINESS EDITION.

>>> LET ME GET OUT OF HERE AND STOP SHARING THIS AND GO BACK TO MY FILE AND TALK ABOUT WHAT IS COMING IN THE FUTURE. THEN WE WILL TAKE SOME QUESTIONS.
>>> TO TALK ABOUT WHAT IS COMING IN VERSION 3.0, YOU NOTICE THAT WE CHANGED THE NAME FROM 2.5 AND 2.6 AND THEN ALL OF A SUDDEN INSTEAD OF 2.7, WHERE GOING TO 3-POINT KNOW IN DECEMBER. EVERY RELEASE, WE ALWAYS UPDATE THE VINTAGE OF ALL OF THE DATA THAT IS IN THE TOOL. WE HAVE SOME DATA RELEASES THAT ARE COMING OUT IN SEPTEMBER OR IN DECEMBER EXCUSE ME, THE NEW ACS ESTIMATES FOR 2018. BUT THEY WILL BE COMING OUT SO THOSE WILL BE UP DATED IN DECEMBER RELEASE. BUT WE ARE ALSO MAKING A LOT OF PLATFORM UPDATES, UNDER THE HOOD, REALLY SORT OF CORE CHANGES TO THE FUNCTIONALITY AS BUSINESS BUILDER. FOR MOST USERS, THESE PLATFORM UPDATES WILL NOT REALLY DIRECTLY IMPACT WHAT YOU WILL SEE. BUT THERE ARE SOME REALLY NOTICEABLE DIFFERENCES THAT I THINK YOU ALL WILL NOTICE. THE FIRST IS THAT RIGHT NOW WE HAVE THIS IS NEWS BUILDER, YOU CAN ONLY VIEW A SUBSET OF THE UNITED STATES COUNTIES, CAN ONLY LOOK AT A CERTAIN SECTION OF THE UNITED STATES BECAUSE TO MAINTAIN PERFORMANCE IN THE APPLICATION, WE HAVE LIMITED THE NUMBER OF GEOGRAPHIES TO NO MORE THAN 1000 GEOGRAPHIES DESPITE THE MAP AT ONE TIME AND THERE'S MORE THAN 1000 COUNTIES IN THE UNITED STATES AND THEREFORE YOU CAN'T VIEW THE ENTIRE DID ENTIRE UNITED STATES ALL COUNTY. IN THESE PLATFORM UPDATES YOU WILL NOW BE ABLE TO DO THAT. I AM ESPECIALLY HAPPY ABOUT THAT BECAUSE I'VE GOTTEN A LOT OF USERS SAYING, I WOULD LOVE TO BE ABLE TO VIEW THE ENTIRE UNITED STATES AND IDENTIFY INDIVIDUAL COUNTIES ACROSS THE WHOLE NATION, NOT JUST IN CERTAIN REGIONS, OF THE U.S., THAT NEED MEET CERTAIN CRITERIA LIKE SHOW ME ALL THE COUNTERS THAT MEET I DON'T KNOW, AUTOMOBILE MANUFACTURING PLANTS, THAT'S A SILLY EXAMPLE. BUT ANYWAY YOU CAN SEE WHAT I AM SAYING. THE OTHER THING IS, IN THE FILTER, IN CONSENSUS BUILDER'S BUILDER BUSINESS BUILDER, I DIDN'T DEMONSTRATED THAT WHEN YOU SET THE FILTER, YOU ACTUALLY HAVE TO CLICK AND UPDATE IT AND CURRENTLY THAT IS THEN APPLIED THE FILTER SO YOU CAN SEE THE IMPACT OF THAT FILTER THAT YOU HAVE SET ON THE MAP. WITH THESE NEW PLATFORM UPDATES, AS YOU ARE ADJUSTING THE FILTER, THE MINIMUM AND MAXIMUM VALUE FOR THE THING YOU ARE FILTERING ON, THE MAP WILL AUTOMATICALLY REFRESH AND YOU WILL LITERALLY SEE IN FRONT OF YOUR EYES THE MAP THAT'S REPAINTING. THAT WILL BE A REALLY NICE FUNCTION OR FUNCTIONAL CHANGE.
>>> AFTER THE DECEMBER RELEASE, IN THE SUMMER OF 2020 RELEASE, WE WILL BE ADDING A BUNCH OF OTHER DATA AND FUNCTIONALITY CHANGES. WE WILL BE ADDING THE COUNTRY LEVEL BREAKOUT FOR INTERNATIONAL TRADE DATA. YOU WILL LOOK AT EXPORTS AND UNDONE.ACCOUNTED BUT LOOK AT EXPORTS AND ONONDAGA COUNTY BY THE COUNTRY THAT THOSE PRODUCTS ARE GOING TO. WE ALSO WILL BE UPDATING DATA TO REFLECT THE NEW 2017 ECONOMIC CENSUS DATA, THE [INDISCERNIBLE] FIRST LOOK RELEASE IS SCHEDULED FOR RELEASE ON SEPTEMBER 19th. AND THEN WE WILL THEN BE RELEASING ALL OF OUR LOCAL AREA DATA NEXT YEAR, THAT'S WHY WE ARE DOING THE LATER. I MENTIONED WHEN WE WERE DEMONSTRATING THE REGIONAL ANALYST ADDITION THAT WE

HAD THE ABILITY TO DRILL DOWN FROM THE TWO DIGIT TO THE THREE DIGIT MIX CODE, THE MORE DETAILED INDUSTRIES, WE ARE ADDING THE ABILITY TO THAT FULL ENTIRE MARKET, YOU WILL BE ABLE TO DRILL FROM MANUFACTURING TO FOOD MANUFACTURING, TO PET FOOD MANUFACTURING TO DOG FOOD MANUFACTURING AND THE CANNED DOG FOOD FINALLY. ALL OF THE FULL SIX DIGIT HIERARCHIES. WE ARE ALSO ADDING THE ABILITY TO CREATE YOUR OWN VARIABLE IN THE MAP. WE HAVE USERS SAYING, I LOVE SEEING THE NUMBER OF KIDS UNDER THE AGE OF FIVE IN THE RAIN I LOVE SEEING THE NUMBER OF DAY CARE CENTERS IN THE AREA BUT I WANT TO CREATE A RATIO AT KIDS UNDER FIVE DIVIDED BY THE NUMBER OF DAY CARE CENTERS AND I WANT TO COMPARE THAT RATIO ACROSS AREAS TO DEFINE AREAS THAT MAY BE THERE ARE WAY MORE KIDS PER DAY CARE CENTER THEN THERE ARE IN OTHER AREAS. YOU CAN DO THAT TO BACK CREATING YOUR OWN VARIABLE. RIGHT NOW ON THE MAP, YOU MIGHT HAVE NOTICED WE ARE ONLY VIEWING A SAME MAP VARIABLE AT A TIME AND WE ARE CONTEMPLATING 3-D MAPPING THAT WILL HAVE TWO OR THREE VARIABLES AT THE SAME TIME. SO I CAN LOOK AT THE NUMBER OF RESTAURANTS AND THE NUMBER AND POPULATION OVER 55 AT THE SAME TIME ON THE MAP. [CAPTIONERS TRANSITIONING]   finally we are going to be addressing some challenges that we have been having with our API, periodically some of you who used the tools might have noticed this error fetching data message we've had some messages with our API, we are working on addressing those issues. If you'd like we can take some questions now. I've also included in my contact information email address my LinkedIn as well. So Joe, does anybody have any questions?

>>Thank you Andy, great presentation. Let's check for questions here. John asked a question. The establishments broken down by the number of employees is great. Is it possible to choose multiple establishments based on the number of employees or does a search for that task need to be done over and over? >>So right now in that variables menu, you can only choose one variable at a time. So if I wanted to look at the number of businesses that had one to four employees versus the number of businesses that have 5 to 9 employees, I would only be able to click on one of those at a time. When we implement that ability to create your own variables, which we are going to be doing next year, you will be able to choose one to four, 10 to 19. And then you can create your own a variable called 1 to 20 which would be your own definition of what a small business would be. That question asked was perfect, that is exactly why we are creating this create your own variables for this exact reason. People want to create unique aggregations of our data. We can do it geographically using the map but we couldn't do it up and tell next year with the data variables so yes. Great question.

>>Thank you Andy. Mimi asks in the regional addition is there a way to get a report with all the available data on a particular area? Rather than having to select data elements from the tabs at the top of the map. >>Absolutely. So when you are looking at the data on the map, you are always just looking at one variable at a time for all the geographies that are displayed on that map. I didn't actually show it and the demo, in the upper right-hand corner of the application there is a download button that allows you to download but then again you're still just looking at one variable at a time for all the geographies displayed on that map. And that report, the report includes all 187 data variables that are in census business builder all assembled together in one report based upon a single geography. So in my example, I was showing restaurants and if I downloaded the report. If I created it for restaurants in that county of New York, it includes all 187 variables that are in census builder and report, I can either downloaded as Excel or CSV or create a PDF of the report and then print that PDF. So yes, the report is the way you would get all the data for a single geography, the map is where you would then call browse a data variable across multiple geographies.

>>Great, great explanation Andy. Are there any other questions? We've got a good bit of time is necessary, so please get some questions in. Andy, you said it's updated every six months. >>Yes, so for the first year or so we released that we have dated every 3 months, because the changes were so dramatic we are doing it every month. Users for sending us so much back in the very beginning and it's an agile project so we were implementing their feedback and doing it every three months. For the last year or so, we've been updating the application of twice a year. Typically the application is June or July and then December. This year we
, because of the shutdown, did not do the update until August. But we are back on schedule for the December update. We timed those updates so that the user is always looking at the latest data that we have available. At that particular point in time. It does mean that there is a slight lag for things like the monthly and quarterly data. There could actually be data as much as 45 months more current than what is in CBD because of that every six months update but at least it's better than doing it manually or things like that. So that's great.

>>That sounds good, any more questions? We still have a good of time if necessary. So please get some more questions in.

>>I can see a question on the chat about importing shape files. There's a feature in census business builder right now. I didn't actually demonstrated but over on the right-hand side of the map there's four buttons, the first button allows you to download the data that's displayed on the map. It downloads that data into an Excel file. The second button is a reference layers button.

>>You can go over that now if you want we've got time. >>Sure, let me get out there and share that here on the right-hand side of the map as a reference layers feature. When I click on this map download the application is going to download the total population. The current variable we are looking for on the map, for every single geography displayed on this map. So it gives me an Excel file for every one of these counties in central New York displayed on that file. The second button is a reference layers button. This gives the user the ability to upload reference layers on top of the map to be able to compare for the areas your interested in for the boundaries an area and time that we have here in the application. The way the feature works is you add a new layer. We've done a few things. First we provided a couple of most popular layers into what we call a gallery. So if I want to choose a layer from the gallery I can upload things like urban areas, even school districts. So if I were to choose school districts and apply it, the application with then automatically overlay a map of the school district boundaries on top of this map. The question that the user asks was about uploading shape file. And yes we do have that ability here. You can go in and actually find your shape file. Upload it and we do have a little I indicator here. It brings up a flyer that explains the minimum criteria, I would honestly say if you know what a shape file is you don't need to know this. We do have that ability to upload a file and for real data nerds out there we do have the ability to upload a map service. If you've got a particular boundary file provided is arrest service you can upload that web service and we actually have a spot where you can put in that code. I will give you a real-life example as to where that's being used currently today. There's a map of flood plane boundaries maintained by NOAa to use matching floodplain boundary some flood lines with our data to identify areas that maybe they ought to be extra concerned about. An area that's prone to flooding and has a large population of people over 65, that's kind of a scary thing you need to look out for. The comment I will mate to the user who typed that in. Is, in these features here. From the gallery, the shape file, and the web service, the shape file that you upload does not interact with the data. It's literally just displayed there is a reference layer. Allows you to do a comparison between the area that

you uploaded and the underlying data. Next year when we do all those major platform changes, maybe even in December, we are going to add the ability to upload a shape file as a part of that platform a change and now the shape file will actually interact with the data. So say I had a shape file that had this entire county area into it. It was already predefined. I don't want to redefine it by hand. I've already got that saved is a shape file. I will be able to upload that shape and it interacts with the map and builds the boundary automatically. A little tip for people contemplating that. Ensuring that the boundaries that you're uploading match the vintage boundaries that we have in the tool, that's problematic. Or it can be problematic. If I am looking at 2017 vintage shapes and your trying to load a shape file, that river may have moved and the new shape file now represents a different boundary. That's partially why it has taken us so long to let you upload a file that interacts with the data. Because again, it interacts with the data. And the last point I will make is, we have also had some corresponding questions from users who when I download the data using this map download feature. Right now it only lets me download it into an Excel file. We have had users ask if you can updated and the answer is yes. We are uploading that feature as well.
Are these numbers of longitude and latitude of that nature.

>>So I'm certainly not a GIS nerd, I know enough to be dangerous essentially a shape file is away to describe the boundaries of an area. So it's not just lat long, those are usually thought of as point. The lat long of my house, the coordinate for that, the boundaries of my lot that my house is on. That's normally thought of as a shape. It has resolution. So depending upon how close it is,
I need to have the boundaries of my property line match. When we are looking at the boundaries here Joe, this boundary is the shape. It's the geographic boundary of Madison County New York.

>>Okay. So a lot of our users that are becoming more and more sophisticated they tell such a different story other than a boring table. Seeing the relationships for example. When I look at the population so right next-door is more people. The table you would never see that relationship. It would be impossible. They don't appear next to each other
in the table. You would never see the immediately adjacent County has a quarter of the population. So people love doing data on a map. Because we are visual beings. People love maps.

>>Somebody asks is it possible to trace data over time and the answer is yes. In the census will this/census building Bureau. The dashboard at the bottom left of the map. And in the charts that are in the report itself. We've included both a geographic comparison chart and
a timeseries chart. So for example. If I was interested in looking at restaurants in this county in New York and I wanted to know is that number of restaurants stable over time or is it going up or down.
The knowledge of which way it's going can be very important as to a possible restaurant tour. If the number of restaurants is increasing that means the economy seems to be healthy it can support additional restaurants. If it's in decline then maybe I don't want to open my restaurant there. That data, the timeseries data is included in the dashboard in a bar chart and it's included in the report. We don't show the timeseries data on the map, again for the reason that I was saying before, there's no way to display more than one variable at a time and essentially timeseries data is more than one variable.
So when we go to being able to view multiple variables in the map at the same time, that's one thing we might allow. People said actually see
the timeseries change on the map as well is in the dashboard and in the report but yes. Is there.

>>There's still a little bit of time for questions. I'm going into my wrap up comments but, like I said, there's time for questions. So keep them coming in. The questionnaire that we like you to fill out is in the chat box now. There's also good information about our new training repository where you can go back and check out past webinars. There's also a nice article by my former colleague writer Scott Pauly who wrote an article about the Academy. We do webinars and conferences and a lot of training opportunities. So keep those questions coming in.

So it was great to have you in this webinar. Thank you to Cory for his great work for tech-support keeping everything running smoothly. And thank you audience, don't forget our upcoming webinars. This is the last one scheduled for August. The next webinar is Thursday, September 19. Titled help, I'm a new documents coordinators so gives you all kind of tips and tricks. But don't forget to please consider registering for our big fall 2019 depository library conference October 21 through 23rd in Crystal city just outside of Washington DC. Near the Metro stop. See if DLP .gov for details a lot of the major presentations will be live streamed for later viewing. So just give that a look. From the F DLP Academy webpage at the bottom, you can view a calendar of upcoming webinars and other events. Access past webinars and see a link to a web form to volunteer to present. We've got a lot of community people who present. It could be on any topic. If you present locally or do training in your library, if you've got something you think would be good to share with the rest of the community, please consider doing a webinar with this. That's check out any last comments. Mark says great presentation. Any last comments for Andy? There was a great presentation it's a great product. So I guess I will say one thing Joe. You guys have my email and phone number as I said earlier, we take feed back on this tool all the time. So if there's data products that you all use is librarians is a regular basis, you'd like to see some of that data merged into census building data. The same thing for data programs we have at census that we have not included. We pretty much tried to focus on the main programs that provide local area data and not so much shown the programs that have just natural data. Because they want the local data not just the national data. There has been some comments from users saying having monthly timely data that shows even if it's national, it would still be useful. So that's something I'll just put out there. I rely on libraries so much because your boots on the ground and things or people that the entrepreneurs go to first. They certainly don't call me directly but it is a great way for us to get information out to users. This tool has grown over time because of the feedback that we've gotten. So please feel free to contact me. I'm not shy is you can tell.

>>Thank you Andy. It looks like the questions have run out and it's almost 3 PM. We are closing up the webinar and I enjoyed it a lot. I'm sure the audience has to so with that I think you one last time. Great webinar I appreciate it. Thank you audience, thank you Cory, and come on back to the Academy thank you and have a great rest of the day.