Adapting Library GIS Services in the Age of COVID-19: Challenges, Changes, & Planning for the Future



Overview of Core UT Libraries (UTL) GIS Services



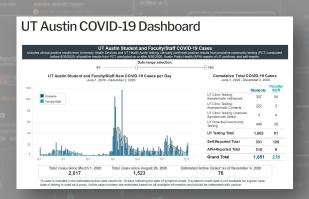


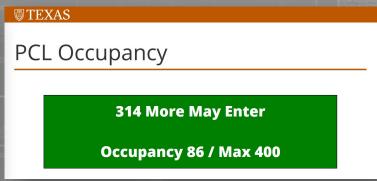
Prior to March 2020, all GIS
services were offered and
developed on campus. No prior
experience working from home.





COVID Impacts on Normal Library Operations







- □ Sudden COVID impact on campus procedures: 3/16/2020 present
- Main library hours reduced, most branch libraries closed
- Libraries staff in Scholarly Communications working almost exclusively from home

Geospatial Research Consultations

Almost all pre-COVID consultations were in-person

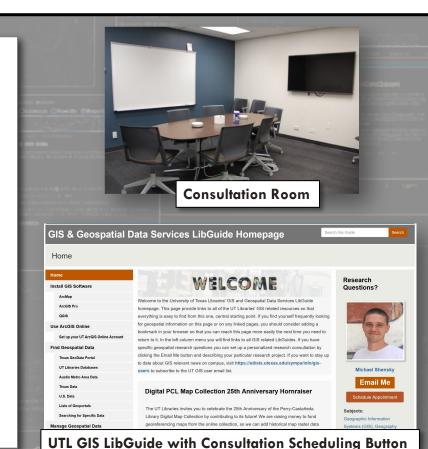
All consultations during pandemic now via Zoom

Greater flexibility for early/late consultations

Virtual consults allow out-of-area collaborators to attend

New, more efficient scheduling process via GIS LibGuide

Virtual consultations to continue in Spring 2020. Unknown what format patrons will prefer post-COVID



Geospatial Research Consultations

Consultation numbers have increased year over year

Questions in current consultations very similar to those pre-COVID

Software installation and access questions not as frequent as initially feared at start of remote learning

UTL provides geospatial software access through VMs

LibGuides provide detailed GIS software installation instructions







About Remote Access

How do I log in?

Logging in is a two step process. First you will use your UTEID and DUO to establish a connection to a specific library workstation. This connection uses Apache Guacamole. Once you've established your connection, you will use your UTEID to log into the workstation See these detailed instructions.

URL for remote connection: http://labs.lib.utexas.edu.

What computers are available?

When you log in, you will choose a workstation from the menu of options.

- Search by software: https://www.lib.utexas.edu/study-spaces-technology/software
- · PCL Windows Lab; software list
- PCL Windows SPSS Lab
- . PCI Windows Nvivo Lab
- · PCL Media Lab: software list
- PCL Data Lab: software list (remote use of Nvivo and SPSS is only available on the PCs)
- FAL Macs: same as the PCL Media Lab with the exception of Avid Media Composer
- · FAL Foundry MacPros: software list



Texas GIS Day

2020 marks the second year that UT has organized GIS Day events

GIS Day 2019 = all on campus events, GIS Day 2020 = all virtual

This year UT collaborated with other GIS Day organizers across Texas

Texas GIS Day unlikely to have happened if 2020 was a normal year

Already starting to discuss Texas GIS Day 2021



University of North Texas

Collaboration and Community Building



2020-06-04

Previous pre-COVID attempts at in person community building saw momentum falter

Campus visits

Conference events

Virtual GIS "Birds of a Feather" session in June, TDL GIS Interest Group formed in July

Many accomplishments within the span of just 6 months

Group charter, 2 webinars, 4 standing subcommittees, 20+ members from 8+ institutions

Monthly meetings, multiple events, a survey, & data collaboration planned for 2021

Planning for New Scholars Lab

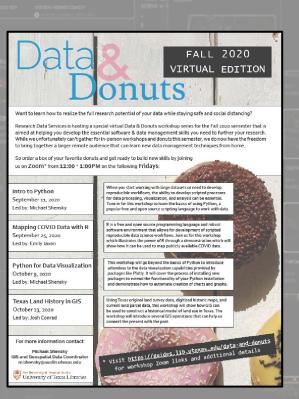
- □ Implementation group formed in early March 2020 after funding for design & construction approved
- Envisioned as a space that could support GIS services (workshops, consultations, Data Lab, etc.)
- Funding on "indefinite hold" as of May 2020 due to COVID budget impacts, but interest is undiminished
- □ What should a post-COVID lab space look like? What geospatial services should be offered?



Planning to hopefully resume soon, once funding is no longer frozen

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Please identify how useful it would be to you to have a virtual lab space that students, faculty, and staff could connect to to use geospatial software in a remote computing environment.	Co you use the following polywere: ArcGIS Pro	Do you use the following software: QGIS	Do you use the following software:		
intremely useful		I currently use in research, I don't use currently but am interested in using	I currently use in research, I currently use in instruction		
extremely useful	I currently use in research, I currently use in instruction	I currently use in research, I currently use in instruction	J currently use in research		
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Geospatial Research Workshops



Pre-COVID all of our Data & Donuts workshops were in person

Our 6 Spring 2020 semester workshops finished week before lock down

Fall 2020 workshops were all virtual via Zoom

Workshops designed to highlight UT COVID research and Texas Data Repository

Four workshops scheduled 12 – 1pm on alternating Fridays

Zoom webinar licensing was a little complicated, but webinar format was great

Geospatial Research Workshops

Spring 2020 workshops will continue to be virtual Zoom webinars

Duration will be increased from 1 to 1.5 hours based on feedback

Post-COVID workshops likely to be a mix of virtual and in-person events



opic	Data & Donuts Workshop: Intro to Python for Data Management			
Nate	Sep 11, 2020 11:56 AM Central Time (US and Canada)			
Aeeting	66 minutes			
Ouration				
First Name		Last Name*		
Michael		Shensky		
Email Addre	ess*	Confirm Email Address*		
m.shensky@austin.utexas.edu		m.shensky@austin.utexas.edu		

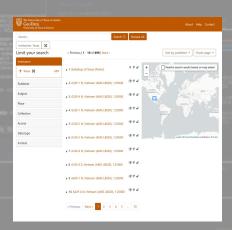
P			Audio Transcript Chat Messages		
		Q Searce	h transcript		
What is Py u Open source, interprete u Cross plotform u Current version is 3.8.5	d programming language	00.08:30	ado, I want to cover the basics of what Python is right. What are we talking about here and Python is open source. Interpreted programming language. It is become were popular in the last several decades since the advent the 90s.		
Extensive use in a varie Large ecosystem of oper	n source packages	00:08:37	It's cross platform compatible, which means you're using a Linux computer or Windows computer a Mac.		
	negement, analyzing data, editing data, visualizing data, and i	00:08:42	Pipeline comes pre installi on some computers on M for instance, and it's really easy to install, regardless what computer you happy		

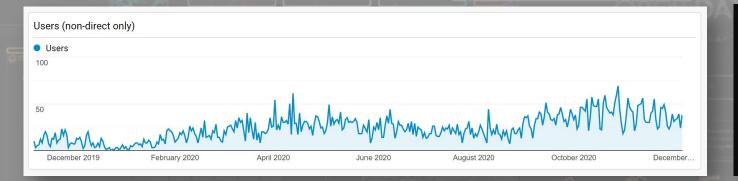
The Texas GeoData Portal

New datasets continue to be added to our Texas GeoData portal

Use of the portal has continued to increase

Collaborative project to add research data to the portal currently in planning stages





All datasets: 32930
All open datasets: 32930
UT Libraries datasets: 699
UTL raster datasets: 686
UTL point datasets: 7
UTL line datasets: 0
UTL polygon datasets: 0
UTL composite datasets: 6
PCL Map Collection: 686
Alexander Architectural Archives: 1
Benson Latin American Collection: 9
Walter Geology Library: 1
Technology Resources: 2

Assessment

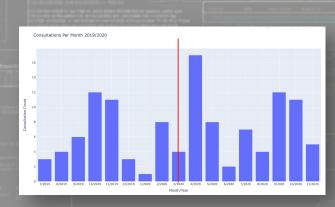
Importance of assessment underscored when working from home

New scripted automated assessment methods developed during pandemic:

Reference email tracking

Consultation tracking via analysis of Zoom statistics

GeoData portal contributions and usage statistics



Topic	Department	Group	Creation Time	Start Time	End Time	Duration (Minutes)	Participants	Source
NEH Zoom Meeting	UT Libraries	UT Austin Staff	06/15/2020 04:20:53 PM	06/22/2020 03:00:45 PM	06/22/2020 04:07:44 PM	67	2	Zoom
Michael Shensky's Zoom Me	UT Libraries	UT Austin Staff	06/23/2020 07:47:56 AM	06/23/2020 12:30:30 PM	06/23/2020 01:52:51 PM	83	3	Zoom
NEH Zoom Meeting	UT Libraries	UT Austin Staff	06/22/2020 04:50:21 PM	06/24/2020 10:00:00 AM	06/24/2020 10:32:36 AM	33	2	Zoom
GeoData Working Session Z	UT Libraries	UT Austin Staff	05/28/2020 11:26:55 AM	06/25/2020 08:59:10 AM	06/25/2020 10:39:57 AM	103	6	Zoom
PCL Map Website Zoom Me	UT Libraries	UT Austin Staff	06/22/2020 04:53:36 PM	06/26/2020 07:59:05 AM	06/26/2020 09:12:25 AM	74	3	Zoom

Assessment

Fall 2020 Data & Donut workshop series sources of assessment data

Statistics from Zoom registration page

Survey distributed to all workshop registrants after last workshop of the semester

FALL 2020 DATA & DONUTS WORKSHOP SERIES ATTENDANCE STATS Unique attendees: 272

Total registrations: 456
Total attendees count: 225
Attendance rate: 49.0%

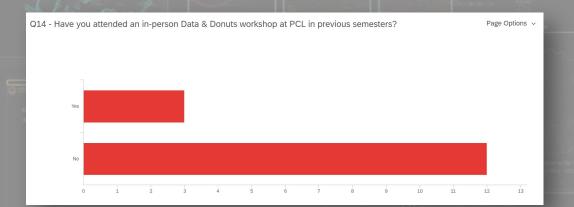
Unique universities: 5
Student count: 254 (

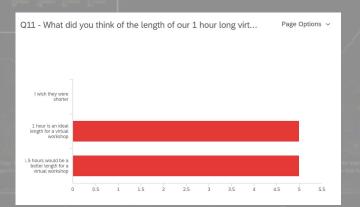
 Student count:
 254 (55.7%)

 Faculty count:
 20 (4.4%)

 Staff count:
 48 (10.5%)

 No role response:
 128 (28.1%)





Questions or Comments?

Contact Info

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- <u>m.shensky@austin.utexas.edu</u>

Links

- □ <u>UT Libraries Data & Donuts workshop series</u>
- □ <u>UT Libraries GIS Services LibGuide</u>
- □ Texas Digital Library (TDL) GIS Interest Group
- □ Texas GeoData portal

