

## APPENDIX A: LIST OF INSTRUCTION SESSIONS AND LEARNING OBJECTS CREATED FROM JANUARY 2019 – DECEMBER 2021

The following list is organized by category and ordered as in Part A, section A.I.b. with individual items in reverse chronological order. Descriptions of each category can be found under the corresponding sections in Part A, section A.I.b.

Relevant slides, materials, and objects are available for browsing at <https://osf.io/56fys/>.

### **Instruction**

#### ***In-Class Instruction (for UNCG students as a non-instructor-of-record)***

Library & Information Science (LIS) 200: Information Use in a Digital World. 18 standalone sessions (July 2019 – November 2021), 3 with Lindsay Gypin (November 2021).

Topic: Creating data visualizations using public opinion polling statistics and web-based chart design tools for an infographic assignment. (November 2021); finding, evaluating, and presenting statistical information (July 2019 – November 2021).

English as a Second Language (ESL) 632 and 633: Academic Reading and Vocabulary Development/Writing and Grammar III. 1 session, with Steve Cramer and Sarah Dorsey (September 2021).

Topic: Introduction to library resources and finding information for a student in the Master of Science in Informatics & Analytics program.

Geography, Environment, & Sustainability (GES) 367: Research in Environment & Sustainability. 1 two-part session (2 total) (September 2021). Previously GES 400: Senior Seminar in Environment & Sustainability.

Topic: Introduction to library resources, finding, evaluating, using, and citing sources of information, and developing a research question and thesis statement for a research assignment.

Library & Information Science (LIS) 631: Emerging Technologies. 6 standalone sessions (September 2019 – September 2021).

Topic: Introduction to GIS in libraries, GIS tools and library databases, and working with Census data.

Geography, Environment, & Sustainability (GES) 432, 632, and 732: Geography of Livable Cities. 3 standalone sessions, with Steve Cramer (September 2019 – August 2021).

Topic: Sources of spatial data and livability metrics, using library databases PolicyMap, SimplyAnalytics, and Social Explorer, and evaluating data for a research assignment.

Nanoscience (NAN) 708: Science Communications. 1 two-part session (2 total), with Megan Carlton (March 2021).

Topic: Finding and evaluating data, introduction to data visualization for communicating science research, and creating data visualizations.

ARTS 27 (Harvard University): How to Be a Tool: Storytelling Across Disciplines (February 2021).

Topic: Data visualization and design, data visualization as a tool for storytelling.

Geography, Environment, & Sustainability (GES) 305: Environmental Hazards Assessment. 1 session (February 2021).

Topic: Introduction to library resources, sources of environmental hazards information, and finding information for a research assignment.

History (HIS) 392: The Holocaust: History and Meaning. 1 session, with Rachel Olsen (February 2021).

Topic: Creating custom Google Maps using information from the library database Shoah Visual History Archive for a digital project assignment.

Communication Studies (CST) 105: Introduction to Communication Studies. 1 standalone session (October 2020).

Topic: Introduction to library resources and library Q&A for CST 105 roundtable.

Geography, Environment, & Sustainability (GES) 400: Senior Seminar in Environment & Sustainability. 2 two-part sessions (4 total), with Megan Carlton (September 2019 – September 2020). Now GES 367: Research in Environment & Sustainability.

Topic: Introduction to library resources, finding, evaluating, using, and citing sources of information, and developing a research question and thesis statement for a research assignment.

Interior Architecture (IAR) 124: Introduction to Sustainable Design. 2 two-part sessions (4 total), 2 with Mark Schumacher and Kathelene McCarty Smith (August 2019) and 2 with Maggie Murphy (August 2020) as Library Partners for the Fall 2019 UNCG University Libraries Information Literacy Development Award.

Topic: Introduction to library resources and finding, evaluating, using, and citing information for research portfolio assignment.

Educational Research Methodology (ERM) 400X: Data Literacy. 2 standalone sessions (May 2020 – July 2020).

Topic: Finding and citing data for a digital project assignment.

Geography, Environment, & Sustainability (GES) 384/684: E&D: Decarbonizing the Economy. 1 session (February 2020).

Topic: Finding, evaluating, and citing data about climate and economic development for a research assignment.

Library & Information Science (LIS) 688: Seminar in Data Visualization. 1 session (February 2020).

Topic: Data visualization librarianship and data-related reference interviews, research consultations, and library resources.

Library & Information Science (LIS) 628: Science and Technology Information Sources. 1 session (November 2019).

Topic: Data librarianship and data-related reference interviews, research consultations, and library resources.

Honors Programs (HSS) 102: First-Year Seminar in Historical Perspectives. 1 session (October 2019).

Topic: Introduction to web maps and creating story maps with StoryMapJS for a digital project assignment.

Geography, Environment, & Sustainability (GES) 386: E&S: Environmental Policy & Politics. 1 session (September 2019).

Topic: Introduction to library resources for a research assignment.

### ***UNCG Workshops and Webinars (for UNCG students, staff, faculty, and community)***

GIS Day Webinar: Getting started with GIS [Webinar]. (2021, November 17). University Libraries Research & Application Webinar Series, virtual.  
<https://youtu.be/wQoUVkwTgsA>

GIS Day Panel Discussion and Q&A: GIS Users at UNCG [Panel]. (2021, November 17). University Libraries GIS Day, virtual.

What is GIS? [Workshop] with Steve Cramer, Lindsay Gypin, & Richard Cox. (2021, October 19). Fannie Mae Innovation Challenge: Safer Together Green Housing visit to the UNCG University Libraries, Greensboro, NC.

Zotero for graduate students [Webinar]. (2021, October 7). University Libraries, virtual.

Lunch & learn: Geocaching [Webinar]. (2021, May 11). University Libraries, virtual.  
<https://youtu.be/5ff8p4YqmUs>

Capturing “science everywhere”: Get into nature with iNaturalist [Workshop], with Megan Carlton. (2021, April 21). The Rise Network’s Science Everywhere 2021, virtual.

Data visualization databases [Webinar]. (2021, April 12). Institute for Data, Evaluation, & Analytics, virtual.

Data management [Workshop]. (2021, March 31). Office of Research Integrity Responsible Conduct of Research Workshops, virtual.

Zotero [Workshop], with Amy Harris Houk. (2021, February 26). 2021 McNair Summer Research Institute, virtual.

Neighborhood demographics data collection [Workshop], with Jasmine DeJesus, Steve Cramer, Christopher Bates, & Hyesung Grace Hwang. (2021, February 18). PSY 735 & Department of Psychology Diversity Committee, virtual.

Writing for research: Proposal writing strategies [Workshop], with Megan Carlton. (2021, February 12). 2021 McNair Summer Research Institute, virtual.

Writing for research: Proposal writing strategies [Workshop], with Megan Carlton. (2021, February 10). 2021 McNair Summer Research Institute, virtual.

ICPSR Student Data Sandbox [Webinar]. (2021, February 9). University Libraries Research & Application Webinar Series, virtual. <https://youtu.be/7wn6dXJq0RI>

Zotero for graduate students [Webinar], with Melody Rood. (2021, February 3). University Libraries, virtual.

Free data visualization tools for your research toolbelt [Webinar]. (2020, November 9). University Libraries Research & Application Webinar Series, virtual. <https://youtu.be/mlVtPykKvuw>

Zotero [Webinar]. (2020, September 29). University Libraries, virtual.

ArcGIS Story Maps for HIS graduate students [Workshop]. (2020, April 8). University Libraries, virtual.

PolicyMap [Webinar]. (2019, September 24). University Libraries Research & Application Webinar Series, virtual. [https://youtu.be/D\\_DO8ewHbGM](https://youtu.be/D_DO8ewHbGM)

Designing and developing effective data viz [Workshop]. (2019, August 19). University Libraries Digital Methodologies Bootcamp, Greensboro, NC.

Methods, tools, & techniques for text mining [Workshop], with Aaron Beveridge. (2019, April 8). University Libraries Scholarship, Technology, and Research Services Workshop, Greensboro, NC.

Data visualization & mapping [Workshop]. (2019, March 4). University Libraries Digital Methodologies Meeting, Greensboro, NC.

See folder: *A.I. Teaching/Instruction/UNCG Workshops and Webinars* at <https://osf.io/56fys/>

***Internal Trainings and Professional Development (for UNCG University Libraries student workers, staff, and faculty)***

Sage Campus lunch & learn [Webinar]. (2020, August 6). University Libraries Virtual Learning Community (ULVLC), virtual.

Ethics and empathy in data visualization [Webinar]. (2020, June 10). ULVLC, virtual.

<https://youtu.be/xPi8hYWckJU>

Data Planet [Workshop], with Lea Leininger. (2020, June 4). University Libraries Science Team, virtual.

Data Planet [Workshop], with Steve Cramer. (2020, May 28). University Libraries Social Sciences Team, virtual.

Using Census data in research [Webinar], with Steve Cramer. (2020, April 6). ULVLC, virtual.

<https://youtu.be/9W1VwTg0hgU>

Quantitative and qualitative data visualization [Workshop]. (2020, February 4). University Libraries Assessment Workshop, Greensboro, NC.

Queer Café: Putting on LGBTQ+ inclusive & supportive events [Workshop], with Melody Rood. (2019, November 15). University Libraries Non-Traditional Students Interest Group, Greensboro, NC.

Introduction to Leaflet [Workshop], with Maggie Murphy. (2019, March 20). University Libraries Instructional Tech Training, Greensboro, NC.

Database speed dating: PolicyMap [Workshop]. (2019, February 15). University Libraries Social Science Team, Greensboro, NC.

Leaflet [Workshop], with Maggie Murphy. (2019, February 13). University Libraries Scholarship, Technology, and Research Services (STARS, now Digital Research and Scholarship Services, DRSS), Greensboro, NC.

See folder: *A.I. Teaching/Instruction/Internal Trainings* at <https://osf.io/56fys/>

### ***Library Tours and Orientations***

- International student tours. International Programs Center. 2 sessions (August 2021).
- Graduate student tours. Summer Orientation & Academic Registration (SOAR). 4 sessions (August 2019 – August 2021).
- University Libraries table. Freshman SOAR Expo. 3 sessions (June 2019 – August 2021).
- New faculty library orientation. UNCG Libraries. 1 session (August 2020).
- First year student tours. SOAR. 1 session (August 2019).
- Transfer & adult student tours. SOAR. 2 sessions (August 2019).
- University Libraries table. Transfer & Adult Student SOAR Expo. 1 session (August 2019).

### **Learning Objects**

## ***LibGuides***

- GES 367: Research in Environment and Sustainability [LibGuide] (September 2021). <https://uncg.libguides.com/ges367>
- Informatics & Analytics Resources [LibGuide]. (August 2020). <https://uncg.libguides.com/msia>
- GES 432/GES 632: Geography of Livable Cities [LibGuide]. (August 2021). <https://uncg.libguides.com/ges432>
- Environment & Sustainability Program Resources [LibGuide]. (August 2020). <https://uncg.libguides.com/evs>
- GES Resources [LibGuide]. (January 2020). <https://uncg.libguides.com/ges>
- GES 400: Capstone Seminar [LibGuide], with Megan Carlton. (September 2019). <https://uncg.libguides.com/ges400>
- Interior Architecture 124 [LibGuide]. (August 2019). <https://uncg.libguides.com/iar124>
- Data Services: Finding Data [LibGuide]. (July 2019). <https://uncg.libguides.com/data>
- Data Services: Research Data Management [LibGuide]. (July 2019). <https://uncg.libguides.com/rdm>
- GIS Resources [LibGuide]. (February 2019). <https://uncg.libguides.com/gis>

## ***Videos***

- Finding critters for citizen science [Video]. (2021, April 20). [https://www.youtube.com/watch?v=AIrPJGwEn\\_4](https://www.youtube.com/watch?v=AIrPJGwEn_4)
- ARH 370 finding and citing maps [Video]. (2021, February 7). <https://www.youtube.com/watch?v=I2sHxj8lF3Y>
- Downloading data tables from the Civil Rights Data Collection [Video]. (2021, January 27). <https://www.youtube.com/watch?v=3950Uv1QzPo>
- Finding US census geographies and population data for an address [Video]. (2020, September 10). <https://www.youtube.com/watch?v=H0HWraTljrs>
- Downloading data from Census data explorer [Video]. (2019, October 25).
- Finding population data for census tract in Census data explorer [Video]. (2019, October 25).
- Selecting more databases in the catalog search [Video]. (2019, October 25).
- Community health report from census tract in PolicyMap [Video]. (2019, October 21).
- Comparing data using the map in Census data explorer [Video]. (2019, October 21).
- Find population data using free version in PolicyMap [Video]. (2019, October 21).
- Geography info from address in PolicyMap [Video]. (2019, October 21).
- Radius report from address in PolicyMap [Video]. (2019, October 21).

See folder: *A.I. Teaching/Instruction/Learning Objects/Videos* at <https://osf.io/56fys/>

## ***Other***

- ArcGIS at UNCG [Flyer]. (2021, November 17). <https://uncg.libguides.com/gis/software-and-tools#s-lg-content-64559402>
- Citing GIS layers in APA [Document]. (2021, November 10).
- Getting started with data management & DMPTool [Slides]. (2021, May 27). Data Services: Research Data Management LibGuide: Creating a data management plan. <https://uncg.libguides.com/rdm/creating-a-dmp#s-lg-content-61682834>
- Finding data [Slides]. (2021, April 23). Data Services: Finding Data LibGuide: Home. <https://uncg.libguides.com/data#finding-data-tutorial>  
NAN 708 library research module: Finding data [Canvas module]. (2021, March 8). [View on Canvas Commons](#)
- Citing maps found online [Document]. (2021, February 7).
- Uploading your data to the UNCG Dataverse [Document]. (2020, September 29). Data Services: Research Data Management LibGuide: Sharing & archiving your data.
- Is this citation correct? An example using Chicago author-date [Document]. (2020, September 25).
- How to use a historic map image in Knight Lab's StoryMapJS [Document]. (2020, March 9).

See folder: *A.I. Teaching/Instruction/Learning Objects/Other* at <https://osf.io/56fys/>

## **Directed Student Learning**

Supervised research, Kathy Ly (Undergraduate, McNair Scholar). "The role of honey bee presence and flower choice in supporting native pollinators in urban areas." (January 2021 – August 2021).

Supervised research, Mariann Juarez (Undergraduate, McNair Scholar). "A computational exploration of the effects of disk structure and host star properties on chemistry in planet-forming disks." (January 2021 – August 2021).

Supervised research, Kylie Pond (Undergraduate, McNair Scholar). "Sustainability and aesthetics in higher education." (January 2020 – August 2020).