



FLORIDA STATE  
UNIVERSITY

# The Evolution of Synchronous Instruction as a Sign of the Times

Presented by:

Nick Ruhs, Kelly Grove, & Denise Wetzel

Florida State University Libraries

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# It's a sign of the [COVID] times

- Instruction through the Classroom
- Instruction through Workshops
- The Future





# Instruction through the Classroom

- OCE 4017/5018 (Current Issues in Environmental Science)
  - 82 students
  - Course met on Zoom 2x/week
  - Technology used: Canvas Modules, Google Docs, Zoom
  - Constructivist approach to learning theory through scaling of knowledge and activity
  - Used Project CORA to find ideas (<https://www.projectcora.org>)



# Instruction through the Classroom (cont.)

▾ **Limnology and Oceanography Citations & Formatting** Complete All Items ✓ + ⋮

- **Module Overview** View ✓ ⋮
- **In-Text Citations** ✓ ⋮
- **Reference Page** ✓ ⋮
- **Limnology and Oceanography Review** 10 pts ✓ ⋮
- **Additional Resources** ✓ ⋮

▾ **Using EndNote Online** ✓ + ⋮

- **Getting Started with EndNote Online** ✓ ⋮
- **Creating an Account** ✓ ⋮
- **Adding Articles and References** ✓ ⋮
- **Creating Groups** ✓ ⋮
- **Exporting Bibliographies** ✓ ⋮
- **Additional Resources** ✓ ⋮

Team	Database	Research question	Initial search terms	Revised search terms or search strategy	Why did you revise?	Citation for source	One useful feature of the database and why it is useful
1	<a href="#">Web Of Science</a>						
2	<a href="#">Proquest ASFA</a>						
3	<a href="#">OneSearch</a>						
4	<a href="#">Google Scholar</a>						
5	<a href="#">Web Of Science</a>						
6	<a href="#">Proquest ASFA</a>						
7	<a href="#">OneSearch</a>						



# Instruction through the Classroom (cont.)

Team	Database	Research question	Initial search terms	Revised search terms or search strategy	Why did you revise?	Citation for source	One useful feature of the database and why it is useful
1	<a href="#">Web Of Science</a>	What fish have been most impacted by overfishing?	Overfished, fish	Searched for "most impacted" and years 2017-present	Allows for current sources and ability to see sources that mention revised search terms.	Keller, A. A., J. H. Harms, J. R. Wallace, C. Jones, J. A. Benante & A. Chappell (2019) Changes in long-lived rockfishes after more than a decade of protection within California's largest marine reserve <i>MARINE ECOLOGY PROGRESS SERIES</i> , 623, 175-193. DOI: 10.3354/meps13019	Makes it easy to refine your search until you find exactly what you need. You can refine it with as many different terms as you want as well as search for any type of article, journal etc.
2	<a href="#">Proquest ASFA</a>	What fish have been most impacted by overfishing?	Overfishing, Fish impacted, Fish Populations	Overfishing (anywhere except full text) and Fish Population (anywhere except full text)	Finds the search terms within text and allows us to find better fitting sources.	Lukin, A.A. 2013. The present state of an Arctic char ( <i>Salvelinus alpinus</i> L.) population in Lake Imandra subjected to over-fishing. <i>J. Ichthyol.</i> 53, 804–808. <a href="https://doi-org.proxy.lib.fsu.edu/10.1134/S0032945213100056">https://doi-org.proxy.lib.fsu.edu/10.1134/S0032945213100056</a>	The search feature makes it easy to find very specific information on topics at hand, filters out some of the extra information and allows more focus.
3 Aquatic Junkies	<a href="#">OneSearch</a>	What fish have been most impacted by overfishing?	Overfishing, Fish species	Most impacted in Gulf of Mexico and Red and Gag Grouper	Allowed us to narrow down our search to focus on a specific species.	<i>Carruthers, Thomas R., et al. "Modelling Age-Dependent Movement: An Application to Red and Gag Groupers in the Gulf of Mexico." Canadian Journal of Fisheries &amp; Aquatic Sciences, vol. 72, no. 8, Aug. 2015, pp. 1159–1176. EBSCOhost, doi:10.1139/cjfas-2014-0471.</i>	The keyword search allows us to narrow down the search in order to find relevant research with our specific species in mind.
4	<a href="#">Google Scholar</a>	What fish have been most impacted by overfishing?	Overfished populations	Most relevant, since 2019	To find the most relevant and recent sources	Stoner, A., Davis, M.H., Kough, A.S., 2019, <i>Forty Years of Field and Laboratory Experiments with Hatchery-Reared Queen Conch: The Case for Conserving Natural Stocks. Reviews in Fisheries Science &amp;</i>	The ability to customize the year to find a more recent source or a source from a specific year was the most useful because it helped to narrow down

- Important parts of the Google Doc
  - Shortened URL for ease of sharing (<https://bit.ly/2FWq5id>)
  - Clear instructions
  - Creating team member roles
  - Formatting the table
  - Preassigned research questions
  - Preassigned team numbers



# Instruction through Workshops

**VIRTUAL  
FACTS & SNACKS**

REGISTER AT: [www.lib.fsu.edu/workshops/all-workshops](http://www.lib.fsu.edu/workshops/all-workshops)

<p><b>I PUBLISHED, GREAT! NOW WHAT?</b> September 25, 2020 • 12 PM - 1PM Register at: <a href="http://bit.ly/2YfKJIR">bit.ly/2YfKJIR</a></p>	<p><b>THE ART OF READING A SCIENTIFIC RESEARCH ARTICLE</b> October 2, 2020 • 12 PM - 1PM Register at: <a href="http://bit.ly/3cNltoJ">bit.ly/3cNltoJ</a></p>
<p><b>STRATEGIES FOR FINDING PUBLIC HEALTH DATA AND STATISTICS</b> October 9, 2020 • 12 PM - 1PM Register at: <a href="http://bit.ly/2UrH40c">bit.ly/2UrH40c</a></p>	<p><b>FIGURE IT OUT: USING COPYRIGHTED FIGURES, GRAPHS AND IMAGES</b> October 16, 2020 • 12 PM - 1PM Register at: <a href="http://bit.ly/2AIDX30">bit.ly/2AIDX30</a></p>






**GIS FOR SUCCESS**

Interested in  
Geographic Information Systems (GIS),  
but do not know where to start?


Wednesdays at 3 PM

View all workshop topics at  
[bit.ly/GISWorkshops](http://bit.ly/GISWorkshops)

**COE Workshop Series**

<p> <b>I Published, Great! Now What?</b> September 23, 2020 • 12 PM - 1 PM Register at: <a href="http://bit.ly/2zckmNk">bit.ly/2zckmNk</a></p>	<p> <b>Intro to ChemDraw</b> September 30, 2020 • 12 PM - 1 PM Register at: <a href="http://bit.ly/2BmiWip">bit.ly/2BmiWip</a></p>
<p> <b>Intro to Mendeley</b> October 7, 2020 • 12 PM - 1 PM Register at: <a href="http://bit.ly/3ha3jkQ">bit.ly/3ha3jkQ</a></p>	<p> <b>Advanced Patent Searching: Cooperative Patent Classification System</b> October 14, 2020 • 12 PM - 1 PM Register at: <a href="http://bit.ly/2MLJ3YN">bit.ly/2MLJ3YN</a></p>
<p> <b>Creating Scientific Graphics with Adobe Illustrator</b> October 21, 2020 • 12 PM - 1 PM Register at: <a href="http://bit.ly/3h9iavR">bit.ly/3h9iavR</a></p>	

Register at: [lib.fsu.edu/workshops/all-workshops](http://lib.fsu.edu/workshops/all-workshops)



**DATA  
@  
YOUR DESK**



# Workshop Engagement



"Google Like a Boss"  
had our highest  
attendance - 47



11 Data Workshops  
uploaded to  
Youtube

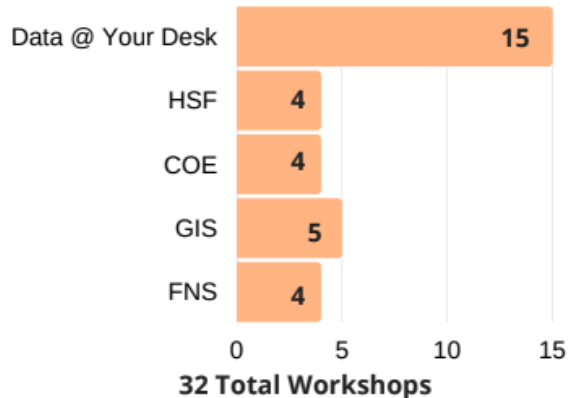


136 views on  
Youtube

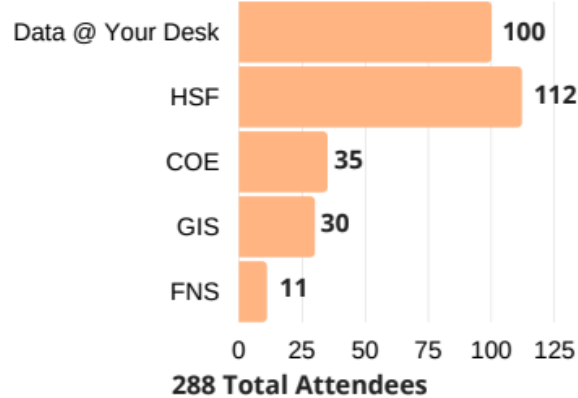


"High Performance  
Computing w/ Python"  
had the most views - 30

## # OF WORKSHOPS



## ATTENDEES BY SERIES







# GIS for Success Example

- 4 workshops
- Focus on all researchers started with GIS research/analysis
- Utilized Zoom for instruction
- Detailed written lesson plans
- Google Folder containing relevant data
- Links to open source software used
  - Data citations

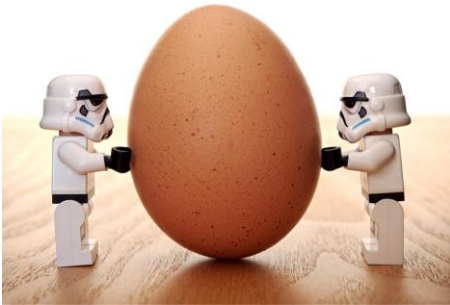






## Tools

- Zoom
- FSU virtual computer lab
- Open source software
- Google Drive/Docs
- Each other



## Partners

- FSU Research Computing Center
- Undergraduate Research Opportunity Program (UROP)
- Other Campus Librarians
- Each other



# The Future

Things are pretty good from here, when we look at the impact of synchronous instruction in Fall 2020.

Remember everything will be alright!

