

Data Journalism in Enterprise Reporting

COMM 4221~Wed/Fri 9:10-11:00 a.m.

Spring 2020

Office: The Lantern, 275B Journalism

Phone: 614.247.7030

Office hours: 9 a.m. to noon Mondays

(or by appointment.)

Professor: Spencer Hunt

E Mail: hunt.754@osu.edu

Twitter: [@spencerhuntosu](https://twitter.com/spencerhuntosu)

COURSE DESCRIPTION/GOAL

This is the capstone of your journalism major!

Up to now, you focused on mastering the skills that will prepare you for a career in story telling: reporting, interviewing, writing, editing, and photography. This course will add a final set of tools that are increasingly in demand among news outlets that desire only the most talented job candidates.

In this class, we will practice data journalism, also called computer assisted reporting. This reporting strategy uses computers to analyze the ever-growing amount of publicly-available data to produce unique and compelling stories. This course will teach the fundamentals of such techniques and combine your data analysis enterprise reporting project. You will create a story that springs from the records you analyze.

We will set a project goal and then you—individually or with a partner—will acquire and analyze that data to help produce the basis of the story.

You will then tell this story with the skills you've developed in previous journalism classes: reporting, writing, photography and the strategic use of social media.

Aside from database analysis, which you will learn here, the skills you need for this class will come from your prior classes, and you will use all of them to:

1. Find and research a topic that's compelling and important.
2. Use the results of your analysis to identify and connect with sources and people who will help tell the story your data reveal.
3. Interview and spend quality time with those sources.
4. Use the data and interviews to write a powerfully written, streamlined article that has a bold, clear narrative structure.
5. Create supporting multimedia pieces, which can include photos, visualizations and graphics built from your data.

6. Create a rough draft, edit your story.
7. Present your project to the class.

Textbook (suggested)

Computer Assisted Reporting: A Practical Guide, Brant Houston – is a great resource, but not required.

Similar to the Practicum class (COMM 2223), I will provide numerous links to access through Carmen, which you will be responsible for reading and reviewing prior to each class period.

Also, you will need:

A computer (including Internet and word processing) access

A thumb drive and/or computer hard drive capable of storing large amounts of data

To follow my Twitter account for attendance (@spencerhuntosu)

GRADING (points) — Percent Final Grade

Professionalism (50) — 5%

Twitter attendance (75) — 7.5%

Final Presentation (75) — 7.5%

Story Outline (100) — 10%

Digital Journal: (150) — 15%

Midterm draft (150) — 15%

Final Project (400): Story development (100) Research (100) Writing (100)
Multimedia (100) — **40%**

These points tallied together will give you your final grade of the following (100-93=A; 92-90=A; 89-88 B+; 87-82=B; 81-80=B ; 79-78=C+; 77-72=C; 71-70=C ; 69-68=D+; 67-60=D; 59 and below=E).

Please note: I am not able to negotiate grades, either during or after the semester.

DATE OF FINAL EXAM: This class has no final exam but a final presentation.

Instructor Methods

You must prepare for each class by reading the required links in Carmen. Our class time, particularly at the beginning of the semester, will be divided by a short presentation followed by one-on-one consultation on your projects and hands-on practice with data analysis software.

I believe that this will help you quickly master a reporting technique that might be new for you, but is increasingly expected of new reporters entering the field. Many of the courses will work like a computer lab.

This will help us work more closely and will help me to assess and understand your individual needs and goals. Each project is different and no one lecture can handle everything.

Since this class involves data analysis techniques and those techniques advance and evolve, changes in Carmen modules and schedules are likely. Any such changes will be announced through emails. Please let me know if you have other ideas for what might augment our class or better serve your learning experience.

I encourage you to email and tweet any and all questions that arise, and to share any information you find useful outside our class content, and to meet with me during office hours. Office hours are listed, but I am also in the newsroom 9-5 most weekdays, outside of class. If the door is open, I'm most often available.

Class Tools

To better serve the needs of the class, the classroom-provided computers will include all of the applications needed to learn the basics of data journalism. These will include Microsoft Excel, the Access database manager, and ArcMap, a data mapping program. We also will work with a popular data visualization platform, Tableau, and with Google-Drive based web scraping tools. If your personal computer lacks these applications there will be time allotted during classes to do the work needed to complete your stories.

The Microsoft applications are available for free download through the university's site license program. Information on how to request the software for student use is available here. <https://ocio.osu.edu/software> Students should note, however, that Microsoft does not make its database manager, Access, available for Apple products. Likewise, you should be wary of any program available on the web that offers to make Access functional on Apple computers.

It is important, however, that you be able to store and back up your data on something that's yours, a flash/thumb drive or your own computer's hard drive so that they are not lost to the whims of the computer gods, power surges or usually-reliable Ohio State computing equipment.

CLASS PROFESSIONALISM

College is intended to prepare you for the real world. You can and will make a lot of mistakes here, but the goal is to learn from them and not to make them again. To that end, I will treat you professionally and I need you to do the same.

1. You will be graded primarily on your writing and editing, and how you work as a writer.
2. Fact errors are also VERY important in the pursuit of journalistic skill.
3. Come on time and ready to work on the material for the day. This is increasingly an issue and weighs heavily on your professionalism grade.
4. You are missed when you are absent: Twitter attendance, described later only works when you are here and attendance is part of your grade.

5. Treating classmates/coworkers with respect: Everyone's ideas have merit, and allowing a civil discussion, even when we disagree, is a key to future success.
6. Dressing for success: I know this is college, but you never know who might come to class who could help you with an internship or guide your academic or professional career. Please know I don't want to discuss appropriate class dress with you, but I will if need be.
7. **Deadlines are deadlines:** Assignments must be submitted in the Dropbox by the pre-determined time and cannot be accepted late, barring a medical excuse or an attempt to reach me prior to the deadline.
8. I believe in using social media in class. I encourage you to use your devices, and require Twitter for attendance, and our research in class will use all electronic devices. Remember, if I can see what you post—so can future employers. Be responsible in how you present yourself online.
9. We never interview or quote friends, relatives, roommates, etc. In our industry, it's considered a conflict of interest.
10. We never write on topics of which we have a personal stake or relationship (places where we work, groups of which we are a member, etc...)
11. We always tell sources we are interviewing them for an article ***that could be pitched to The Lantern.***
12. That means we do not tell sources we are "writing for a class assignment."
13. Lying, cheating or stealing will get you fired: In this class, if you plagiarize anything you will fail the course and I will report you to academic misconduct.

WITHDRAWAL POLICY

Not all classes fit your schedule or your academic plan. However, I very much wish to meet with you before you drop to see what we can do to work through any challenges you face. If you do have questions about how to drop or the impact on your transcript or financial aid, please visit the Academic Advising website.

MOBILE TECHNOLOGY

Although many classes may ban or limit the use of mobile technology, in this class we will learn to use your mobile phone and/or tablet for reporting and disseminating news—in other words, for good and not evil. Keep it out and be prepared to use it for class work, which will include tweeting. That said, this is not the time to text and tweet your friends or surf the web.

EQUIPMENT:

In addition to your thumb drive/hard drive, you will be able to use the cameras and video cameras from the Lantern news room locker. You are welcome to use your own equipment, but please know that it us up

to you to determine if it is compatible with our computers and software, and you will need to do any necessary conversions. Just a reminder the camera locker is in room 275 Journalism and checkouts are during posted hours.

ASSIGNMENTS

Professionalism (50 points)

Treating this class like a job will go a long way toward helping you be prepared for your post-graduation life. Your ability to come on time, contribute to discussions, turn in work on time, treat classmates with respect, dress appropriately, and communicate respectfully and clearly in person and in writing will earn you professionalism points.

Twitter Attendance (75 points)

To help build that skill—and brand, we take attendance through Twitter, which means every student gets credit for attendance by tweeting something insightful or asking a question from each class session, with the goal of engaging the outside world. In addition, social media is extremely useful for journalists, and your ability to use it responsibly and constructively will help you establish your personal brand and, hopefully, get employed in the future. The goal is we all learn the potential impact of Twitter in “talking” to the world—and learn how to prevent negative impacts.

Use my Twitter handle @spencerhuntosu, AND the hashtag #capstone for all posts. Please make sure to follow me to help me track down tweets that lack the tag, which sometimes happens. Please also make sure that your account is not private. I cannot receive tweets from private accounts.

Final Presentation (75 points)

Each individual or team will share the final project with class. Team members must both be present and able to discuss their work to receive the same grade. The schedule for the presentation will be determined as the semester draws to a close.

Digital Journal (150)

Spending time analyzing data, researching records and the notes you take from interviews are key parts of this story. You will keep a digital journal of your participation, describing in detail the progress you’ve made in three areas: data acquisition and analysis, reporting and sourcing, and efforts to develop photos and data visualizations. Aside from one-on-one sessions these journals are critical to assessing your progress and for your final grade.

Pitch Outline (100)

Your first major grade will mimic a real-life exercise many professional journalists follow to gain the time and resources to work on a long-term project and free themselves from the rigors of daily reporting. You will prepare a pitch based off your initial reporting and analysis and then outline your vision for the story and the different elements, photos, graphics and any sidebar stories that might accompany it. An example of how to do this is found in Carmen.

Midterm (150)

As a midterm, you will turn in your first draft of the written portion of your project to Carmen. This should have the look and feel you are intending for your final project, but it is open for editing until the final version is complete. This will mark the first attempt at a writing style that is not inverted pyramid. The rough draft will then become the living document you continue to revise and develop into the final story. No project story is written the night before it is published. If it takes months to report, it will take weeks to write.

Final Project (400)

Here you will file the final version of the story along with the photos, graphics and social media strategy in their full and completed forms. This represents the story, and story elements that a reporter feels is their best work and are ready to hand in for final editing. The story, photos, graphics and social media plan can be handed in as they are to editors, in a single file. Final projects that combine each of these elements into a single document are acceptable, as long as each element can be fully read and assessed by the instructor. Please note: *Each person in a team must equally participate in the research, creation and presentation to receive full credit.*

Multi-Step Process

No matter what issue or topic you identify for your capstone project, you will follow this process to produce it

1. **Identify the story.** Use traditional print library resources, Web sites and social media like Facebook and Twitter to find your topic/subject/issue.
2. **Research/analysis.** Using the sources above, along with in person or telephone interviews, write a 1-2 page pitch/outline of the subject selected. The pitch should include likely sources of data local, national and/or international that will help form the basis for the story.
3. **Reporting.** Your data analysis is just a starting point. Your story will grow from the places that data point to. Statistics are dry and impersonal. The people who are affected by them are not. Regularly update your progress in the Google file and write entries that will help you write your midterm and final stories.
4. **Write/produce.** Start putting everything together into a story package that includes as many of the following as possible: text, photos and graphics. This includes a rough draft that will serve as the midterm grade.
5. **Review/edit.** You should be doing this constantly. Class time also will be used to do it in your partnerships.
6. **Rewrite, re-research and redo** anything needed to complete the final project. Your continuing reporting, as well as discussions with the instructor should aid this process.
7. **Completion.** Put it all together in the most effective way possible .

OFFICE HOURS

My office hours are listed on the front of the syllabus, and I would love to meet with you to get you extra, article assistance. I am always available to provide feedback on rough drafts before they are submitted. Keep in mind that you should look for the feedback, days, not hours before the submission deadline.

SYLLABUS

Every effort has been made to create a syllabus that is as comprehensive and accurate as possible, but each class is a living entity and changes may arise. Most things will work as planned, but some things may need to be adjusted as the semester proceeds. If that happens, I will notify you in writing of the changes to be sure everyone is aware and can adjust accordingly.

SAFE & HEALTHY

Keeping students healthy and preventing the spread of illness is important to your University—and to me. You are encouraged to stay home if you are sick, and you may be asked to leave class if you are coughing/sneezing. Students who are sick and cannot attend class must contact me BEFORE class to receive class any materials and turn in assignments via the drop box or email. If you do not notify me, your assignment will not be accepted.

MANAGING STRESS

College can be a stressful time, and I am always here to help you—in this class and beyond. If, however, you feel you need more support, I encourage you to reach out to the Student Advocacy Center at 292.1111. They will always work with professors on your behalf.

HONOR CODE & CODE OF ACADEMIC CONDUCT

It is the responsibility of the Committee on Academic Misconduct to investigate or establish procedures for the investigation of all reported cases of student academic misconduct. The term "academic misconduct" includes all forms of student academic misconduct wherever committed; illustrated by, but not limited to, cases of plagiarism and dishonest practices in connection with examinations. Instructors shall report all instances of alleged academic misconduct to the committee (Faculty Rule 3335 31 02). For additional information, see the Code of Student Conduct (http://studentaffairs.osu.edu/resource_csc.asp).

I will vigorously pursue any suspected cases of plagiarism, cheating or other violations of the University Code of Academic Conduct, whether completed or merely attempted.

SPECIAL ACCOMMODATIONS

I am happy to make academic adjustments for students with documented disabilities. Please contact the Center for Students with Disabilities if this applies to you. The Center for Students with Disabilities is located in Room 101 of the Admissions/Student Services Complex, located on the north side of Main campus, next to Admissions. For more information, call (310) 434-4265 or (310) 434-4273 (TDD)

DAILY SCHEDULE

Date	Topic	Before Class Reading (Links in Carmen)	Assignment/Due
		Activity	
Week 1 W 1/8	1-1 Introduction to class	Read: The World Needs Investigative Journalism. Intro to Investigative Reporting Activity: Review syllabus discuss grades, projects and computer assisted reporting.	<i>Assignment: create a short list of ideas or issues you'd want to spend weeks on to develop into an enterprise story. Reach out to prospective teammate if desired.</i>
F 1/10	1-2 Understanding /Intro to Data Reporting	Read: C.A.R. What is it? The Golden Age of C.A.R. Digging for Truth with Data Activity: Declare partnerships or single project	Due: Declare partnerships or single work project.
Week 2 W 1/15	2-1 Developing your Story. How to identify, plan an enterprise story	Read: What is Enterprise Reporting? Choose 1 Enterprise Story to read and discuss in class Activity: Discussing story ideas, hurdles	<i>Assignment: Narrow down list of story ideas. Identify potential sources of records and data.</i>
F 1/17	2-2 Getting your Data and Records	Read: Finding Data, and Activity: How to file FOI requests and other strategies to pursue information and records. Your Right to Data	Due: Identify data source file request if needed. Get Data or ETA for it.

Week 3 W 1/22	3-1 Writing /reporting for long form stories.	Read: The Hourglass; The Five Boxes Approach; The Nut Graf Story Approach	
		Activity: How to organize notes, records and data. Wrapping database management training.	
F 1/24	3-2 Working with Excel	Read: Basic Steps in Working With Data.	
		Activity: Basic functions, pivot tables.	
Week 4 W 1/29	4-1 Data and the Dispatch.	Read: Selected data stories from Columbus Dispatch in Carmen Module 4-1	<i>Assignment: Prepare online journal and entries for review.</i>
		Activity: Discussion with guest lecturer	
F 1/31	4-2 Working with Access	Read: Links in Carmen Module 4-2	Due: First journal entry
		Activity: Linking lottery and census data tables and analyzing them using access	
Week 5 W 2/5	5-1 The Pitch: Outline your project	Read: Pitch Me a Story; Pitch Guidelines for the WCJ	<i>Assignment: Refine outline. Prepare online journal for second check</i>
		Activity: Finish creating story outline in class for submission. Wrapping up how to recognize deal with bad data.	
F 2/7	5-2 Scrape your data	Read: Links in Carmen Activity: In class web scraping exercise.	Due: Second Journal Entry

Week 6 W 2/12	6-1 Photos and Photo Essays	Activity: Spending class time working on the pitch.	
F 2/14	6-2 Clean your data	Read: Carmen Links Activity: Cleaning Lottery data for analysis	Due: STORY OUTLINE
Week 7 W 2/19	7-1 Multimedia Storytelling	Read: Multimedia Storytelling, Learn the Secrets Activity: Wrapping up work with ArcMap, if needed	<i>Assignment: By 9 a.m. Friday, post to your journal your reporting and research activities. Share any photos taken so far for discussion in class.</i>
F 2/21	7-2 Mapping your data	Read: Carmen Links on ArcView GIS Activity: Working with ArcView shapefiles and EPA data to map pollution	Due: 3rd journal entry
Week 8 W 2/26	8-1 Sources and the Longform Story		<i>Assignment: By 11:59 p.m. Friday, post to your journal the progress you've made on your project.</i>
F 2/28	8-2 Data "Viz" and Graphics	Read: Data Visualization DIY Activity: Learning various options for data viz	Due: 4th journal entry
Week 9 W 3/4	9-1 Bias and Truth in the Long-Form Story	Activity: Class discussion involves three enterprise story examples.	

F 3/6	9-2 Your Social Media Strategy	Read: Social Media Tips and Tools for Journalists	Due: 5 th journal entry
Week 10 3/11 3/13	NO CLASS	SPRING BREAK	NO CLASS
Week 11 W 3/18	11-1 Exit Interviews	Activity: Final discussion of Midterm and review available	
F 3/20	11-2 Prep for the Midterm	Activity: Short Presentation. Class room available for data work, research, draft review	<u>DUE: MIDTERM DRAFT, by end of day (EOD)</u>
Week 12 W 3/25	12-1 Writing with Data	Read: 10 Suggestions; Writing the Investigative Story	
F 3/27	12-2 Writing with Data 2	Re-Read: One of three enterprise stories from Carmen module 2-1	Due: 6th journal entry
Week 13 W 4/1	13-1 Your final presentation: Elements of a strong last effort	Activity: Examining past presentations to identify what works and what doesn't.	

F 4/3	13-2 Don't write a paper, write a story	Activity: Reviewing and discussing the challenges of organizing and writing a strong, compelling story.	
Week 14 W 4/8	14-1 Wrapping up, dealing with challenges and "no comment"	Activity, The spectrum of verification and dealing with what you don't know or can't confirm	
F 4/10	14-2 In Class Workshop/or third presentation day	In class review available for drafts and presentations This day might be used for presentations	
Week 15 W 4/15	PRESENTATIONS	DAY ONE	PRESENTATIONS
F 4/17	PRESENTATIONS	DAY TWO	PRESENTATIONS
Week 16 Tuesday 4/21	FINAL STORY <u>Due by midnight</u>	FINAL STORY <u>Due by midnight</u>	FINAL STORY <u>Due by midnight</u>

