

COMM 4558

SOCIAL MEDIA ANALYTICS

SPRING 2022

Instructor:

Professor Joseph Bayer, PhD [email: bayer.66@osu.edu]

Online Lecture: Thursday, 3:00pm-4:00pm EST [see Carmen for Zoom Links]

Office Hours: Thursday, 1:00pm-2:00pm EST or by Appt. [[Zoom Link](#)] [PW: 212285]

Course description

The is an online course. The course represents an introduction to analyzing social media data with an emphasis on the implications and applications for market research, communication strategy, and technology history. How do we know whether a feature on the new iPhone is working? What type of consumers are most likely to buy a given product? How does the perception of a platform change after a crisis? Social media streams can provide valuable insights into users, brands, audiences, and technologies. The course provides an overview of the approaches and challenges associated with collecting, analyzing, and visualizing social media data, including an involved case report using real-world social analytics software.

Course learning goals and outcomes

The primary objectives of this course are to teach students how to obtain, monitor, and evaluate social media data from major online platforms (e.g., Twitter). When we are finished, you will be prepared to approach future industry and academic problems with an understanding of how social media data can help accomplish your goals. You will learn the advantages/disadvantages of using social media data, how to operate established analytics platforms (e.g., Synthesio), and how to engage in market research to study emerging technologies. Altogether, you will acquire the fundamental perspectives and hands-on skills needed to work with social media data.

Mode of delivery

This course is delivered fully online. There are no in-person components required. The course includes a combination live (i.e., synchronous) lectures and prerecorded tutorials, along with online activities and assignments that can be completed at your discretion.

How this course works

- Each week, a new **module** will become available on the course Carmen site that contains all of the online requirements associated with that week. Each module will specify the required readings, as well as provide links to the live lectures, interactive activities, pre-recorded videos, and analytics tools needed for that week.

- On Thursdays, you will participate in an online (live) lecture at 3:00pm EST via Zoom (see link on Carmen). The lecture will be taught in the form of a live tutorial involving data-driven activities and analysis through Netlytic and Synthesio.
- This is a 3-credit-hour course. As such, students should expect around 3 hours per week of time spent on direct instruction. Specifically, students should anticipate an average of about 60 minutes of live lecture, 30 minutes of prerecorded tutorial videos, 45 minutes of technology installation and/or setup, and 45 minutes of weekly participation, in addition to 6 hours of homework per week (i.e., readings, assignments).
- All assignments are due 11:59pm EST on Mondays. See detailed instructions on Carmen for the specific steps, formatting requirements, and grading rubric.

Course materials

- You can access all course readings and materials by clicking through the links in the weekly course modules on our Carmen site. In addition, the required readings and assignment instructions/rubrics will be organized within the Files section of the site.
- Although the course will focus primarily on teaching hands-on analytics course, the following books are **recommended** as part of the weekly course readings:
 - **[F&D]** Finger, L. & Dutta, S. (2014). *Ask, Measure, Learn: Using Social Media Analytics to Understand and Influence Customer Behavior*. Sebastopol, CA: O'Reilly.
 - **[Knaflic]** Knaflic, C. N. (2015). *Storytelling with Data: A Visualization Guide for Business Professionals*. Hoboken, NJ: Wiley.
- Access to Netlytic (via [this external URL](#)) and Synthesio (via [this external URL](#)) for data analysis and vizualization. More information about accessing the analytics platforms will be provided within the software demonstrations and Carmen modules.
- Access to a computer/laptop, a high-speed Internet connection, current web browser with video-related plugins, speakers/headphones, and Microsoft Office (available to OSU student free of charge via [this external URL](#)). Students should not attempt to complete this course using a smartphone. You must be comfortable working more independently than in an in-person classroom and using your computer, web-browser, and navigating Carmen. Additionally, you must ensure that your computer functions properly and that you use some form of data redundancy (e.g., cloud backups or physical duplication). Please see the technology policy below for more details.

Grading

This class has 100 possible points, which are distributed as follows:

Zoom Attendance	6 points
Zoom Checkpoints (2)	4 points
Weekly Participation (10)	10 points
Software Comparison	10 points

Netlytic Report #1	10 points
Netlytic Report #2	10 points
Synthesio Report #1	10 points
Synthesio Report #2	10 points
Case Study Proposal	10 points
Case Study Report	20 points

Assignments

- **Zoom Attendance (6pts).** An attendance grade will be assigned at the end of the course based on your active participation in synchronous (online) lecture activities. You must attend at least 6 separate live lectures during the semester to receive full points for attendance (earning 1 point per class). In addition, you are eligible to earn extra credit by participating in the optional TopHat activities during the lecture (up to 2 points).
- **Zoom Checkpoints (4pts).** In online courses, there are fewer opportunities for professors to interact with their students directly. As such, there is a tendency for students to avoid asking for help when they need it, especially for questions that they perceive as “too small” or “too stupid.” Professors can also do a poor job of checking if things are making sense and linking the course objectives to the personal goals of their students. The “checkpoints” are meant to address these issues and make sure you are on track in 4558. Each checkpoint consists of a brief one-on-one meeting with Prof. Bayer (up to 10min) over Zoom. There are two checkpoints spread across the semester, each worth up to 2 points (2 = highly prepared, 1 = somewhat prepared, 0 = unprepared or absent). Instructions will be provided in the Carmen modules.
- **Weekly Participation (10pts).** A participation grade will be assigned at the end of the course based on your active participation in weekly TopHat discussion activities. On most weeks, a new discussion question will be posted on TopHat. You are required to submit a response to the **TopHat Thread** by the module end date at 11:59pm EST. You will lose 1 point for each missed TopHat thread.
- **Software Comparison (10pts).** There are many sources of social media data out there, including software companies offering to provide social “listening”, “managing”, and/or “analytics”. You are tasked with providing a recommendation to an employer of your choice about which software to purchase. To do so, you must identify two services that provide capabilities to conduct social media analyses (cannot be Netlytic or Synthesio), compare them, and come to a recommendation. You must use G2.com to identify your analytics software choices. Use 12-point font and 1-inch margins, with each text section should be no more than a short paragraph (5-6 sentences max). Make your document single-spaced (max of one single-spaced page). Follow the general header formatting shown in the example on Carmen.

Netlytic Reports (10pts x2). You will report the results of text and network analytics related to a self-selected product on Netlytic. Your goal is to apply techniques from social media analytics to analyze online discourse about a product of your choice (e.g., Apple AirPods). A top report will identify the key themes/influencers and insights (e.g., what people are saying about your product, who is talking about your product?) as well as discuss how to use your findings to improve the product or develop a new communication strategy. Importantly, you will collect publicly available Twitter data about a chosen product and analyze it with the help of Netlytic. For each report, use 12-point font and 1-inch margins. Each text section should include no more than 3-4 sentences of text. Make your text single-spaced and clearly specify the header of each section as shown in the example on Carmen. Max of one page (including figures).

- **Synthesio Reports (10pts x2).** You will report the results of visualized analytics related to market research of a modern technology using Synthesio. You are tasked with (1) demonstrating your efficacy in using Synthesio to select, filter, and report datasets and (2) showing your ability to present data in an accurate, informative, and efficient manner. Importantly, you must complete your report using Synthesio. Note you will need to sign-in your OSU.# email address and course password. Use 12-point font and 1-inch margins. Include your name in the header. Each figure should include no more than 3-4 sentences of text. Make your text single-spaced. For each report, you can either export your Synthesio Report page as a PDF or export the images and create your PDF in another program (e.g., Microsoft Word). Max of one page (including figures).
- **Case Study Proposal (10pts).** In the Case Study Proposal, you will outline a market research project in which you use social analytics to learn about a technology, type of technologies, or tech trend of your choice. Note that your proposal must focus on using Synthesio as your social listening tool (i.e., not other analytics tools). You and a partner will design the data collection and analytics plan, including how exactly you would employ Synthesio to learn about and report on the topic of your choice. Use 12-point font and include both partner names in the header. Each bullet should include no more than 2-3 sentences of text. Make your text single-spaced. Max of one page (including figures).
- **Case Study Report (20pts).** In the Case Study Report, you will generate figures and findings related to the market research topic of your choice. Note that your report must focus on using Synthesio as your social listening tool (i.e., not other analytics tools), and you must use one of the final queries available in our shared class dashboard. Altogether, you and a partner will work together to compile and complete a professional analytics report using what you have learned across the semester. For each figure, as a brief paragraph, provide a brief explanation and any takeaway insights (~3-4 sentences max). In addition, as a brief outline, specify the subtopic you selected, all filters applied, and the size of your active corpus (i.e., number of mentions). Use 12-point font and include both partner names in the header. For this report, you must export the images and create your PDF in another program (e.g., Word). Max of two pages (including figures), but you are allowed to use narrow margins (i.e., 0.5in).

Late assignments

Assume that all deadlines are in Eastern Time (ET). Students may submit all assessments late with a penalty. Penalties for late work increase cumulatively.

Grading scale

Please note that Carmen Canvas, OSU's grading and class management software, does not round fractions up. Please take that into account in computing grades. I do not manually round up grades. The official grading scale is as follows:

93–100: A	73–76.9: C
90–92.9: A-	70 –72.9: C-
87–89.9: B+	67 –69.9: D+
83–86.9: B	60 –66.9: D
80–82.9: B-	Below 60: E
77–79.9: C+	

Credit hour and work expectation

This represents a 3-credit-hour course. According to Ohio State policy, students should expect around 3 hours per week of time spent on direct instruction (instructor content and Carmen activities, for example) in addition to 6 hours of homework (reading and assignment preparation, for example) to receive a grade of (C) average. [ASC Honors](#) provides an excellent guide to scheduling and study expectations.

Faculty feedback and response time

I am providing the following list to give you an idea of my intended availability throughout the course. (Remember that you can call **614-688-HELP** at any time if you have a technical problem.)

Grading and feedback

For large weekly assignments, you can generally expect feedback within **7-14 days**.

E-mail

Prof. Bayer will reply to e-mails within **24 hours on school days**.

Virtual office hours

Virtual office hours will be held through Ohio State's conferencing platform, Carmen Zoom. Dr. Bayer's digital meeting room can be accessed via the link posted on our Carmen site. Students may use the audio and video functions if a webcam and microphone are available. If not, there is still a chat function within Zoom for the student to live chat with the professor in the virtual office hours room. A guide to accessing Zoom is available [online here \(Links to an external site.\)](#) and students can [access support for Carmen Zoom here \(Links to an external site.\)](#).

Common issues to avoid...

- **Carmen mail/messenger + submission comments.** Both of these are unreliable and the I will not check them regularly.
- **Weekend + evening emails.** Under most circumstances, I will respond to messages of this sort on the next business day.
- **Sending emails NOT from your OSU email.** Messages to our OSU accounts from non-OSU email services are regularly marked as spam and since their OSU cannot confirm their delivery, you may not use them as evidence of communication attempts.
- **Unprofessional emails.** Please ensure that your email messages are professional and informative by including your course info in the subject line, a salutation, adequate yet concise body text, closing, and your full name.
- **Emails that require immediate attention.** I aim to answer emails with 24 hours of receipt on business days. Be proactive and plan ahead.

Course Technology

For help with your password, university e-mail, Carmen, or any other technology issues, questions, or requests, contact the OSU IT Service Desk. Standard support hours are available at <https://ocio.osu.edu/help/hours>, and support for urgent issues is available 24x7.

- **Carmen:**
 - Carmen, Ohio State's Learning Management System, will be used to host materials and activities throughout this course. To access Carmen, visit [Carmen.osu.edu](https://carmen.osu.edu). Log in to Carmen using your name.# and password. If you have not setup a name.# and password, visit my.osu.edu.
 - Help guides on the use of Carmen can be found at <https://resourcecenter.odee.osu.edu/carmen>
 - **This online course requires use of Carmen (Ohio State's learning management system) and other online communication and multimedia tools. If you need additional services to use these technologies, please request accommodations with your instructor.**
 - [Carmen accessibility](#)
- **Carmen Zoom:**
 - Office hours will be held through Ohio State's conferencing platform, Carmen Zoom. A separate guide to accessing Carmen Zoom and our office hours is posted on the course Carmen page under Files.
 - Students may use the audio and video functions if a webcam and microphone are available. If not, there is still a chat function within Carmen Zoom for the student to live chat with the professor or TA in the virtual office hours room.
 - [Carmen Zoom](#) help guide

- **Turnitin:**
 - Students at The Ohio State University are accountable for the integrity of the work they submit. Therefore, you should be familiar with the guidelines provided by the [Committee on Academic Misconduct \(COAM\)](#) and [Section A of OSU's Code of Student Conduct](#) in order to meet the academic expectations concerning appropriate documentation of sources. In addition, OSU has made Turnitin, a learning tool and plagiarism prevention system, available to instructors. For this class, you will submit your papers to Turnitin from Carmen. When grading your work, I will interpret the originality report, following [Section A of OSU's Code of Student Conduct](#) as appropriate. For more information about Turnitin, please see [the vendor's guide for students](#). Note that submitted final papers become part of the OSU database.
- **Self-Service and Chat support:** <http://ocio.osu.edu/selfservice>
- **Phone:** 614-688-HELP (4357)
- **Email:** 8help@osu.edu
- **TDD:** 614-688-8743

Baseline technical skills necessary for online courses

- Basic computer and web-browsing skills
- Navigating Carmen

Necessary equipment

- Computer: current Mac (OS X) or PC (Windows 7+) with high-speed internet connection
- Web cam and microphone

Necessary software

- Word processor with the ability to save files under .doc, .docx, .rtf, or .pdf. Most popular word processing software programs including Microsoft Word and Mac Pages have these abilities.
- OSU students have access to Microsoft Office products [free of charge](#). To install, please visit https://osuitsm.service-now.com/selfservice/kb_view.do?sysparm_article=kb04733
- Access to Netlytic (via [this external URL](#)) and Synthesio (via [this external URL](#)) for data analysis and visualization. More information about accessing the analytics platforms will be provided within the software demonstrations and Carmen modules.
 - The privacy policy for Netlytic is available via [this external URL](#). The privacy policy for Synthesio is available [via this external URL](#).
 - Questions concerning the accessibility of the necessary social analytics software (i.e., Netlytic, Synthesio) can be addressed to the Office of Student Life Disability Services (SLDS). Please visit [this external URL](#) for more information.

University Policies

Student Academic Services

Arts and Sciences Advising and Academic Services' website provides support for student academic success. Information on advising issues such as tutoring, transfer credits, academic standing, and contact information for Arts and Sciences advisors can be obtained through this website. The site is: <http://advising.osu.edu/welcome.shtml>

Student Services

The Student Service Center assists with financial aid matters, tuition and fee payments. Please see their site at: <http://ssc.osu.edu>

Copyright Disclaimer

The materials used in connection with this course may be subject to copyright protection and are only for the use of students officially enrolled in the course for the educational purposes associated with the course. Copyright law must be considered before copying, retaining, or disseminating materials outside of the course.

Diversity

The School of Communication at The Ohio State University embraces and maintains an environment that respects diverse traditions, heritages, experiences, and people. Our commitment to diversity moves beyond mere tolerance to recognizing, understanding, and welcoming the contributions of diverse groups and the value group members possess as individuals. In our School, the faculty, students, and staff are dedicated to building a tradition of diversity with principles of equal opportunity, personal respect, and the intellectual interests of those who comprise diverse cultures.

Title IX

Title IX makes it clear that violence and harassment based on sex and gender are Civil Rights offenses subject to the same kinds of accountability and the same kinds of support applied to offenses against other protected categories (e.g., race). If you or someone you know has been sexually harassed or assaulted, you may find the appropriate resources at <http://titleix.osu.edu> or by contacting the Interim Ohio State Title IX Coordinator, Molly Peirano, at titleix@osu.edu

Mental Health

As a student you may experience a range of issues that can cause barriers to learning, such as strained relationships, increased anxiety, alcohol/drug problems, feeling down, difficulty concentrating and/or lack of motivation. These mental health concerns or stressful events may

lead to diminished academic performance or reduce a student's ability to participate in daily activities. The Ohio State University offers services to assist you with addressing these and other concerns you may be experiencing. If you are or someone you know is suffering from any of the aforementioned conditions, you can learn more about the broad range of confidential mental health services available on campus via the Office of Student Life's Counseling and Consultation Service (CCS) by visiting ccs.osu.edu or calling 614--292--5766. CCS is located on the 4th Floor of the Younkin Success Center and 10th Floor of Lincoln Tower. You can reach an on-call counselor when CCS is closed at 614-292-5766. If you are thinking of harming yourself or need a safe, non-judgmental place to talk, or if you are worried about someone else and need advice about what to do, 24-hour emergency help is also available through the Suicide Prevention Hotline (Columbus: 614-221-5445)

COVID-19 and Illness Policies

University COVID policies

The university strives to make all learning experiences as accessible as possible. In light of the current pandemic, students seeking to request COVID-related accommodations may do so through the university's [request process](#), managed by Student Life Disability Services. If you anticipate or experience academic barriers based on your disability (including mental health, chronic, or temporary medical conditions), please let me know immediately so that we can privately discuss options. To establish reasonable accommodations, I may request that you register with Student Life Disability Services. After registration, make arrangements with me as soon as possible to discuss your accommodations so that they may be implemented in a timely fashion. **SLDS contact information:** slds@osu.edu; 614-292-3307; slds.osu.edu; 098 Baker Hall, 113 W. 12th Avenue.

Health and safety requirements

All students, faculty and staff are required to comply with and stay up to date on all university safety and health guidance (<https://safeandhealthy.osu.edu>), which includes wearing a face mask in any indoor space and maintaining a safe physical distance at all times. Non-compliance will result in a warning first, and disciplinary actions will be taken for repeated offenses.

Student illness or absence

If you are too ill to participate in this course due to COVID-19 or another illness, please contact the instructor as soon as you are able. All materials will be made available on Carmen, including lecture recordings and slides. Alternate assignments or extensions may be arranged.

Instructor illness or absence

If the *instructor* is too ill to teach the course for a period of time, the designated backup for this course will step in. You will be notified via email from the School of Communication.

Academic integrity policy

Policies for this online course

- **Written assignments:** All written assignments, communications, and posts should be your own original work. In formal assignments, you should follow **APA** style to cite the ideas and words of your research sources. You are encouraged to ask a trusted person to proofread your assignments before you turn them in – but no one else should revise or rewrite your work.
- **Reusing past work:** In general, you are prohibited in university courses from turning in work from a past class to your current class, even if you modify it. If you want to build on past research or revisit a topic you've explored in previous courses, please discuss the situation with me.
- **Falsifying research or results:** All research you will conduct in this course is intended to be a learning experience; you should never feel tempted to make your results or your library research look more successful than it was.

Academic Misconduct

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 3335-5-487). For additional information, see the Code of Student Conduct <http://studentlife.osu.edu/csc/>

Accessibility accommodations for students with disabilities

Requesting accommodations

Students with disabilities (including mental health, chronic or temporary medical conditions) that have been certified by the Office of Student Life Disability Services will be appropriately accommodated and should inform the instructor as soon as possible of their needs. The Office of Student Life Disability Services is located in 098 Baker Hall, 113 W. 12th Avenue; telephone 614- 292-3307, slds@osu.edu; slds.osu.edu.

COVID-Specific Policies

Please note that these policies may be updated to reflect changes in the epidemic, changes in our understanding of the disease, and changing University, local, state, and federal recommendations/mandates.

Vaccination

The COVID-19 vaccine is the single best way to protect yourself and others from the disease. Widespread vaccination also offers us our best chance of ending the pandemic and getting back to a pre-pandemic lifestyle. If you haven't already, please get vaccinated. It is safe, effective, and [free](#).

Masks and Social Distancing

The university requires that everyone on campus wears masks indoors (for more information, see <https://safeandhealthy.osu.edu/>). Wearing a mask that covers your mouth and nose is important because it can help slow the spread of COVID-19. There are several reasons to do this, even if you are vaccinated. First, the "Delta variant," which is the dominant version of the virus that causes COVID in the U.S. today, is highly contagious, and has caused a huge increase in cases recently. Second, even if you are vaccinated, there have been some cases of "breakthrough" infection, where a vaccinated person becomes ill. These cases are much less severe than cases among unvaccinated individuals, but you still don't want to go through it if you don't have to. Finally, and most importantly, if you get COVID-19 you can spread it to other people, including young children and others who cannot take the vaccine. In short, masks help protect you and they help you protect other people. Social distancing may also help slow the spread of COVID. Although classrooms are no longer configured to ensure that students can spread out, doing so may still be helpful if you have the opportunity.

Student Resources

COVID-19 Accommodations. The university strives to make all learning experiences as accessible as possible. In light of the current pandemic, students seeking to request COVID-related accommodations may do so through the university's [request process](#), managed by Student Life Disability Services. If you anticipate or experience academic barriers based on your disability (including mental health, chronic, or temporary medical conditions), please let me know immediately so that we can privately discuss options. To establish reasonable accommodations, I may request that you register with Student Life Disability Services. After registration, make arrangements with me as soon as possible to discuss your accommodations so that they may be implemented in a timely fashion. **SLDS contact information:** slds@osu.edu; 614-292-3307; slds.osu.edu; 098 Baker Hall, 113 W. 12th Avenue.

Food Security (<https://www.buckeyefoodalliance.org/>, 614-688-2508). The Ohio State University is committed to ensuring that all students have access to adequate and healthy food. Any undergraduate or graduate student with a BuckID may confidentially use the Buckeye Food Alliance food pantries. No proof of need is required. The pantry is located in Lincoln Tower, Suite 150 (1800 Cannon Dr., Columbus, OH 43210). Check the website or call for current hours.

COVID-19 emergency financial assistance (<https://sfa.osu.edu/contact-us/consumer-disclosure/COVID-19-aid>) Ohio State has emergency grants available to aid students who are facing

unexpected financial challenges related to the pandemic. Students may use the funds toward any component of the cost of attendance, or for emergency costs that arise as a result of the COVID-19 pandemic such as food, housing, tuition, health care (including mental health care) or child care. Please visit the website for more information.

Information about COVID-19

***Vaccination.** More than [70% of Americans ages 18 and up](#) have taken at least one dose of the vaccine; in Ohio, more than 60% of adults have been vaccinated. Serious side effects of the vaccine have been [extremely rare](#), and most resolve quickly. You might feel poorly the day after your shot, though.*

***Masks.** This is important because in the US we are [currently seeing more than 125,000 new cases each day](#); there are more than 2,300 cases/day in Ohio alone. Thanks to the vaccine, the number of new deaths remains relatively low (about 650/day in US and <10/day in Ohio). Those deaths are highly concentrated among the unvaccinated.*

***Questions.** I am not a medical expert, obviously, but I do follow news about the pandemic closely and talk to a variety of experts regularly. If you have questions, please feel free to ask.*

Course Schedule

Unit A: Collecting Social Media Data

Module Weeks	Week Overview	Assignments
<p>Week 1</p> <p>Start: Thursday 1/13 End: Wednesday 1/19</p>	<p>Introducing the Course</p> <ul style="list-style-type: none"> Lecture (Thursday @ 3:00pm EST) Syllabus, Carmen, Assignments No TopHat Thread <i>Recommended:</i> F&D Ch. 1, 2 	<p>Required Reading:</p> <p>Wiener, A. (2018). What it's like to wallow in your own Facebook data. <i>The Atlantic</i>. [URL]</p>
<p>Week 2</p> <p>Start: Thursday 1/20 End: Wednesday 1/26</p>	<p>Learning via Live Tutorials</p> <ul style="list-style-type: none"> Lecture (Thursday @ 3:00pm EST) TopHat, Tutorials, Feedback TopHat Thread #1 <i>Recommended:</i> F&D Ch. 3, 4 	<p>Required Reading:</p> <p>Lampinen, A. (2016). Why we need to examine multiple social network sites. <i>Communication and the Public</i>, 1-5.</p>
<p>Week 3</p> <p>Start: Thursday 1/27 End: Wednesday 2/2</p>	<p>Finding Social Analytics Tools</p> <ul style="list-style-type: none"> Lecture (Thursday @ 3:00pm EST) APIs, Software, G2 TopHat Thread #2 <i>Recommended:</i> F&D Ch. 5 	<p>Required Reading:</p> <p>PC Magazine Report on social media analytics tools. [URL]</p>
<p>Week 4</p> <p>Start: Thursday 2/3 End: Wednesday 2/9</p>	<p>Obtaining and Cleaning Data</p> <ul style="list-style-type: none"> Lecture (Thursday @ 3:00pm EST) Data, CSVs, CSO TopHat Thread #3 <i>Recommended:</i> F&D Ch. 6 	<p>Submission:</p> <p>Submit Software Comparison on Carmen</p> <p>Required Reading:</p> <p>Hogan, B. (2018). Social media giveth, social media taketh away: Facebook, friendships, and APIs. <i>International Journal of Communication</i>, 12, 592-611.</p>

Unit B: Collecting Data via Netlytic

<p style="text-align: center;">Week 5</p> <p>Start: Thursday 2/10 End: Wednesday 2/16</p>	<p style="text-align: center;">Collecting Data on Netlytic</p> <ul style="list-style-type: none"> • Lecture (Thursday @ 3:00pm EST) • Netlytic Tutorial #1 • TopHat Thread #4 • <i>Recommended: F&D Ch. 7</i> 	<p>Required Reading:</p> <p>Lewis, K. (2016). Three fallacies of digital footprints. <i>Big Data & Society</i>, 1-4.</p>
<p style="text-align: center;">Week 6</p> <p>Start: Thursday 2/17 End: Wednesday 2/23</p>	<p style="text-align: center;">Network Analyses on Netlytic</p> <ul style="list-style-type: none"> • No Lecture • No TopHat Thread • <i>Recommended: F&D Ch. 8</i> 	<p>Submission:</p> <p>Submit Netlytic Report #1 on Carmen</p> <p>Required Reading:</p> <p>Centola, D. (2016). Influential Networks. <i>Nature Human Behaviour</i>, 1-2.</p>
<p style="text-align: center;">Week 7</p> <p>Start: Thursday 2/24 End: Wednesday 3/2</p>	<p style="text-align: center;">Building Reports on Netlytic</p> <ul style="list-style-type: none"> • Lecture (Thursday @ 3:00pm EST) • Netlytic Tutorial #2 • TopHat Thread #5 • <i>Recommended: F&D Ch. 9</i> 	<p>Required Reading:</p> <p>Felt, M. (2016). Social media and the social sciences: How researchers employ Big Data analytics. <i>Big Data & Society</i>, 1-15.</p>
<p style="text-align: center;">Week 8</p> <p>Start: Thursday 3/3 End: Wednesday 3/9</p>	<p style="text-align: center;">Text Analyses on Netlytic</p> <ul style="list-style-type: none"> • Lecture (Thursday @ 3:00pm EST) • Netlytic Tutorial #3 • TopHat Thread #6 • <i>Recommended: F&D Ch. 10</i> 	<p>Submission:</p> <p>Submit Netlytic Report #2 on Carmen</p> <p>Required Reading:</p> <p>Moe, W., & Schweidel, D. A. (2017). Opportunities for innovation in social media analytics. <i>Journal of Product Innovation and Management</i>, 697-702.</p>

Unit C: Collecting Data via Synthesio

<p style="text-align: center;">Week 9</p> <p>Start: Thursday 3/10 End: Wednesday 3/16</p>	<p style="text-align: center;">Introducing Synthesio</p> <ul style="list-style-type: none"> • Lecture (Thursday @ 3:00pm EST) • Synthesio Tutorial #1 • TopHat Thread #7 • <i>Recommended: Knaflic Ch. 1, 2</i> 	<p style="text-align: center;">Required Reading:</p> <p>Diesner, J. (2015). Small decisions with big impact on data analytics. <i>Big Data & Society</i>, 1-6.</p>
<p style="text-align: center;">Week 10</p> <p>Start: Thursday 3/17 End: Wednesday 3/23</p> <p style="text-align: center;">Spring Break</p>	<p style="text-align: center;">Filtering Data on Synthesio</p> <ul style="list-style-type: none"> • No Lecture • No TopHat Thread • <i>Recommended: Knaflic Ch. 3</i> 	<p style="text-align: center;">Submission:</p> <p>Submit Case Study Proposal on Carmen.</p> <p style="text-align: center;">Required Reading:</p> <p>Murphy, S. (2017). A hands-on guide to conducting psychological research on Twitter. <i>Social Psychological and Personality Science</i>, 8, 396-412.</p>
<p style="text-align: center;">Week 11</p> <p>Start: Thursday 3/24 End: Wednesday 3/30</p>	<p style="text-align: center;">Generating Widgets on Synthesio</p> <ul style="list-style-type: none"> • Lecture (Thursday @ 3:00pm EST) • Synthesio Tutorial #2 • TopHat Thread #8 • <i>Recommended: Knaflic Ch. 4</i> 	<p style="text-align: center;">Required Reading:</p> <p>Brooker, P., Barnett, J., & Cribbin, T. (2016). Doing social media analytics. <i>Big Data & Society</i>, 1-12.</p>
<p style="text-align: center;">Week 12</p> <p>Start: Thursday 3/31 End: Wednesday 4/6</p>	<p style="text-align: center;">Building Reports on Synthesio</p> <ul style="list-style-type: none"> • Lecture (Thursday @ 3:00pm EST) • Synthesio Tutorial #3 • TopHat Thread #9 • <i>Recommended: Knaflic Ch. 5</i> 	<p style="text-align: center;">Submission:</p> <p>Submit Synthesio Report #1 on Carmen.</p> <p style="text-align: center;">Required Reading:</p> <p>Hogan, B., & Quan-Haase, A. (2010). Persistence and change in social media. <i>Bulletin of Science, Technology & Society</i>, 309-315.</p>

Unit D: Storytelling with Social Traces

<p style="text-align: center;">Week 13</p> <p>Start: Thursday 4/7 End: Wednesday 4/13</p>	<p style="text-align: center;">Describing Your Final Datasets</p> <ul style="list-style-type: none"> • Lecture (Thursday @ 3:00pm EST) • Synthesio Tutorial #4 • TopHat Thread #10 • <i>Recommended: Knaflic Ch. 6</i> 	<p style="text-align: center;">Required Reading:</p> <p>Park, M., & Macy, M. (2015). The paradox of active users. <i>Big Data & Society</i>, 1-4.</p>
<p style="text-align: center;">Week 14</p> <p>Start: Thursday 4/14 End: Wednesday 4/20</p>	<p style="text-align: center;">Describing Your Final Figures</p> <ul style="list-style-type: none"> • Lecture (Thursday @ 3:00pm EST) • Synthesio Tutorial #5 • <i>Recommended: Knaflic Ch. 7</i> • Enjoy your break! 	<p style="text-align: center;">Submission:</p> <p>Submit Synthesio Report #2 on Carmen</p> <p style="text-align: center;">Required Reading:</p> <p>Knaflic Chapter 7</p> <p>boyd, D., & Crawford, K. (2012). Critical questions for big data: Provocations for a cultural, technological, and scholarly phenomenon. <i>Information, Communication & Society</i>, 662-679.</p>
<p style="text-align: center;">Week 15</p> <p>Start: Thursday 4/21 End: Wednesday 4/27</p>	<p style="text-align: center;">Storytelling through Reports</p> <ul style="list-style-type: none"> • Lecture (Thursday @ 3:00pm EST) • Case Report Check-Ins • <i>Recommended: Knaflic Ch. 8</i> • Final Takeaways! 	<p style="text-align: center;">Submission:</p> <p>Submit Case Study Report on Carmen</p> <p style="text-align: center;">Required Reading:</p> <p>Stone, B. (2016). Twitter's cofounder on creating opportunities. <i>Harvard Business Review</i>, 1-10.</p>