

## STUDY GUIDE: WEEK 4

(26 - 30 September 2022)

### Objective

*For Lesson 2:*

At the end of this lesson, you should be able to:

1. Describe the importance and uses of data journalism;
2. Discuss practices that strengthen the thrust of data journalism; and
3. Reflect on the potential of data journalism in covering the plight of the marginalized.

### Activity 1

Read Lesson 2 in the course guide. (1 hr). Familiarize yourself with the Lesson 2 course content. Each case study gives an overview of the data journalism practice and documentation practices.

- a. Case 1: The Land Conflict Watch (India)
- b. Case 2: Documenting the Death of Workers (Turkey)
- c. Case 3: Data Projects with Women and Minorities (Latin America)

### Activity 2

Work on the first laboratory exercise: **Account set-up, identification of sectors/topics, and preparation of data sources**. Your laboratory instructor will provide you with further instructions. For this week, you are working on Part A of Exercise 1.

### Tasks

1. Your laboratory instructor will introduce you to different Data Journalism platforms and tools.
2. Sign up for free accounts and start exploring these platforms.

### Additional resources

Bulatlat. (2021, July 2). Opening up sugar industry to displace thousands of agri workers. <https://www.bulatlat.com/2021/07/02/opening-up-sugar-industry-to-displace-thousands-of-agri-workers/>

Davao Today. (2019, August 14). Lumad women, their inter-generational struggle for self-determination. <http://davaotoday.com/main/culture-2/lumad-women-their-inter-generational-struggle-for-self-determination/>

Ibon Foundation. (2021, January 23). Crisis upon crisis. <https://www.ibon.org/crisis-upon-crisis-2021-yearstarter-birdtalk-highlights/>

Reporters Without Borders. (2020, August 21). Red alert for green journalism – 10 environmental reporters killed in five years.  
<https://rsf.org/en/news/red-alert-green-journalism-10-environmental-reporters-killed-five-years>

**Reminder:**

Take note of Exercise 1.

<b>Outputs and Activities</b>	<b>Deadline</b>
A. Setting up of accounts in DataWrapper and Flourish	Week 3
B. Pitch stories in class for the data journalism project	Week 4
C. Pooling data sources for your identified topic	Week 5

## STUDY GUIDE: WEEK 5

(3 - 7 October 2022)

### Objectives

*For Lesson 3:*

At the end of this lesson, you should be able to:

1. Describe the nature of ethics in journalism;
2. Elaborate the importance of data access and privacy; and
3. Identify some ethical issues and challenges in big data and data journalism.

### Activity 1

1. Attend a synchronous session on Lesson 3. This session will focus on (1) the nature of ethics, (2) ethics and media in the Philippines, and (3) big data and journalism. Data practitioners will join the session to have a 30-min fireside chat on the implications of big data technologies and practices in data journalism.
  - a. Prepare questions for the fireside chat ahead of time.
  - b. A video recording of this session will be uploaded.

### Activity 2

Watch *Coded Bias* (2020). Available on Netflix and Youtube: This documentary investigates the bias in algorithms after M.I.T. Media Lab researcher Joy Buolamwini uncovered flaws in facial recognition technology. This documentary is a good example of a story on algorithmic justice and algorithm auditing. Aside from using data for stories, investigating algorithms and other data/AI products is also a potential beat in data journalism.

### Activity 3

Work on the first laboratory exercise, **Account set-up, identification of sectors/topics, and preparation of data sources**. Your laboratory instructor will provide you with further instructions. For this week, you are working on Part B of Exercise 1.

### Tasks

1. Your laboratory instructor will announce data story themes you can explore.
2. Identify a development-oriented topic and objectives for exploration. Suggest three topics for your instructor's approval.
3. Discuss in the class why the topic is important and how you plan to gather data.

## Additional resources

Here are other materials on key ethical areas in data and AI. You can watch or read on your own time:

*The Great Hack* (2019). Available on Netflix: Explore how a data company named Cambridge Analytica came to symbolize the dark side of social media in the wake of the 2016 U.S. presidential election.

Listen to Listen Hired by an algorithm, an episode from *In Machines We Trust*. Available on Spotify: If you've applied for a job lately, it's all but guaranteed that your application was reviewed by a software—in most cases, before a human ever laid eyes on it.

Boyd, Danah. (2011). Dear voyeur, meet flâneur... Sincerely, social media. *Surveillance & Society*, 8(4), 505–507.

Center for Media Freedom and Responsibility. (2007). Philippine press freedom report 2007. <http://www.cmfr-phil.org/wp-content/uploads/2009/03/philippine-press-freedom-report-2007.pdf>

Reporters Without Borders. (2020, April 2). Two Philippine journalists face two months in prison for coronavirus reporting. <https://rsf.org/en/news/two-philippine-journalists-face-two-months-prison-coronavirus-reporting>

Teodoro, L. V. (2017, September 24). Defending freedom. *Bulatlat*. <https://www.bulatlat.com/2017/09/24/defending-freedom/>

Teodoro, L. V. (2020, April 16). Press freedom is a global need. *Business World*. <https://www.bworldonline.com/press-freedom-is-a-global-need/>

## STUDY GUIDE: WEEK 6

(10 - 14 October 2022)

### Objectives

*For Lesson 4:*

At the end of this lesson, you should be able to:

1. Enumerate good sources of data that can be used for stories;
2. Describe the types of data from these sources;
3. Discuss how to mine data from various sources

### Activity 1

Watch video lecture. (1 hr). The video lecture talks about various data sources you can explore when planning and writing your data stories, as well as how to discern and scrutinize validity and trustworthiness of these sources.

### Activity 2

Review the requirements for the Records Request Project discussed during course orientation. This is the only major output in lecture class.

### Tasks

1. You can find details on the Records Request Project at the end of Lesson 4 in the course guide. This has been initially discussed in the course orientation.
2. Raise questions, issues, or concerns related to the project. Your classmates and instructors might have insights on how to resolve difficulties you are currently experiencing in this project. You can also share updates on your own records request process.

### Activity 3

Work on the first laboratory exercise, **Account set-up, identification of sectors/topics, and preparation of data sources**. Your laboratory instructor will provide you with further instructions. For this week, you are working on Part C of Exercise 1.

### Tasks

1. Provide a list of data sources i.e. websites to get the data from.
2. Produce a data set for your chosen topic from the listed data sources.

### Reminder:

Take note of Exercise 1 and Lecture Project deadlines.

Outputs and Activities	Deadline
A. Start Data cleaning process	Week 6

## STUDY GUIDE: WEEK 7

(17 - 21 October 2022)

### Objectives

*For Lesson 5:*

At the end of this lesson, you should be able to:

1. State the four questions when doing a data hypothesis approach;
2. Define terms in basic analysis;
3. Describe how softwares and applications are used for processing data;
4. Clean data and define data aggregation.

### Activity 1

Attend a synchronous session on Lesson 5. This session will focus on (1) data hypothesis approach, (2) basics of data analysis, and (3) available tools for data analysis and visualization. Data practitioners will join the session to have a 30-min fireside chat on data janitorials 101 that can help you prepare for Exercise 2.

### Activity 2

Attend a synchronous session on Lesson 5. This session will focus on spreadsheet techniques. First part (15 min) of the session is a review of data janitorials 101 and how it can be implemented in spreadsheet techniques. The second part is a live tutorial spreadsheet techniques in Google Sheets in preparation for your next laboratory exercise.

- a. A common dataset in Google Sheets is provided. You can follow the steps shown in the live tutorial using this dataset.
- b. (OPTIONAL) Share your Google Sheets link after the session.
- c. This live tutorial session only covers basic functions. Your instructors will help you explore these further in laboratory class.

### Activity 3

Work on the second laboratory exercise, **Cleaning, Filtering, and Analyzing data**. Your laboratory instructor will provide you with further instructions.

### Tasks

1. Review spreadsheet techniques from your lecture classes and references.
2. Make sure you have the datasets you will use for your data stories.
3. Select the sections of your data that you will use for your story and come up with an angle/thesis statement based on this.

### Additional resources

If you want to learn more about Google Sheets functions, you can explore this video tutorial on Google Sheets from Free Code Camp (2 hrs). Link to the tutorial:

<https://www.youtube.com/watch?v=N2opj8XzYBY>

### Reminder:

Take note of Exercise 2 deadlines.

Outputs and Activities	Deadline
B. Data Processing of cleaned data	Week 7