

J220

Coding for Journalists

LECTURER
Soo Oh

PROMPTS

Grab pizza 🍕 🍕 🍕



Zoom screenshare +
start Zoom recording

Agenda

Pizza 🍕

How much time + Review rubrics for presentation and final project

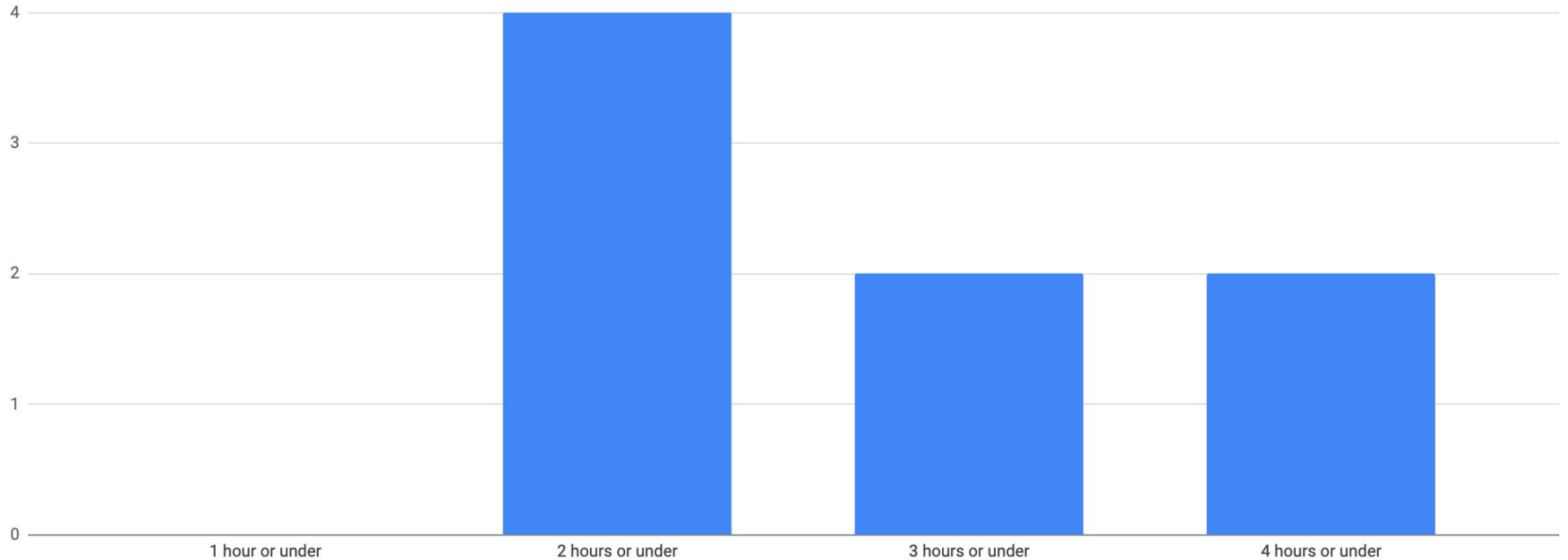
Data/code roles in newsrooms

Career chat with Soo and John Harden (Washington Post)

Study Hall

How much time spent on J220

Week of 04-15: Number of students grouped by hours spent outside of lecture and office hours



Rubric reviews

- [Presentation rubric](#)
 - A slide deck is not necessary. However, **your wireframes, work-in-progress site build, and/or other visuals** are required.
 - **Presentation order** can be randomized, or you can volunteer for a slot. **Any preference?**
 - You will **take notes** for one presenter. That will be randomized.
- [Final Project rubric](#)

What's the role of data/code in newsrooms?

Data reporting

Finds the story in the data

Statistical analysis of data in Excel, Google Sheets, SQL, Python, or R

Makes visuals for research (not for production)

A great place to start

Google Sheets, beat reporting

Data visualization

Visualizes data appropriately

Creates flat or interactive data visuals across platforms

Works with various kinds of mapping software

Uses Adobe Illustrator for flat graphics and/or HTML, CSS, and JavaScript for interactive graphics

A great place to start

Google Charts, Datawrapper

Apps development

Builds, deploys web apps

Sets up infrastructure to analyze data, might be used by entire newsroom or chain

Has knowledge of AWS or similar

A great place to start

Try a tutorial to make a very simple app, e.g. Flask

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**There's
a lot of
overlap**

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Cool things you can do with data and code

[Florida cops who speed](#) (2012)

[COVID and excess deaths](#) (2020)

[Migrant children in shelters](#) (2020)

[DC police data leaks](#) (2021)

Job titles to look for

if you know how to code

- data reporter
- graphics reporter
- news app developer
- data journalist

If you don't know how to code, look for...

web producer places or organizes content in a CMS (e.g. Wordpress)

- usually there are work shifts, allowing you to learn to code
- Lots of stuff to automate. Automation can teach you about logic
- connected to lots of teams in the newsroom — get to know people

graphics artist/reporter using Adobe Illustrator (but you need to know Illustrator)

- print graphics are still important
- possible to convert AI files into web graphics
- connected to other visuals and probably data people

designer

- learning to code can be part of internal development goals

copy editor edits copy and occasionally fact-checks

- ability to spot typos is good for coding
- usually there are work shifts, allowing you to learn to code
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researcher

- learning to code can be part of internal development goals
- could get plugged into data team if it exists

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Resources

Organizations & Conferences

IRE/NICAR <https://ire.org>

OpenNews <https://www.opennews.org>

Slack communities

News Nerders <https://newsnerders.org>

Lonely Coders Club
<https://lc-slack.herokuapp.com>

Journalists of Color (#data and
#hack-house) <https://journalistsofcolor.us>

Resources

Self-learning (by and for journalists)

Basic Data Academy

<https://sites.google.com/view/mj-basic-data-academy/home>

First Python Notebook

<https://www.firstpythonnotebook.org>

R for Journalists

<https://learn.r-journalism.com>

Mapping

<https://journalismcourses.org/course/intro-to-mapping-and-gis-for-journalists>

Self-learning (elsewhere)

Codecademy

<https://www.codecademy.com>

Your local community college

What questions
do you have?

AMA with Soo and John