



Conference schedule

March 5-8, 2020
New Orleans Marriott
[555 Canal Street, New Orleans, LA 70130](https://www.marriott.com/hotels-and-hotels/location/usa-la-new-orleans-555-canal-street/)

Conference website: Read our code of conduct, check out special events and more at ire.org/nicar20.

On Twitter: [#NICAR20](https://twitter.com/NICAR20)

This schedule was updated on January 16, 2020, with 212 of 237 sessions confirmed, but it could change! For the most current information, download the Guidebook app (guidebook.com) and search "2020 NICAR Conference."

You can also browse an interactive schedule online – or download a schedule in PDF, CSV or JSON formats – at this URL: ire.org/nicar20-schedule.

Thursday, March 5

| Time | Session | Room |
|-------------------------|---|----------------------|
| 8:30 – 8:50 a.m. | Welcome first timers! How to make the most of NICAR20 | Acadia, 3rd floor |
| 9 a.m. – 12:30 p.m. | PyCAR (pre-registration required) | Studio 3, 2nd floor |
| 9 a.m. – 12:30 p.m. | Upping your Excel game (pre-registration required) | Studio 2, 2nd floor |
| 9 a.m. – 5:45 p.m. | Interviewing your data with SQL (pre-registration required) | Studio 4, 2nd floor |
| 9 a.m. – 12:30 p.m. | Master class: Editing the data story | Galerie 5, 2nd floor |
| 9 – 10 a.m. | Educators meetup | Galerie 4, 2nd floor |
| 9 – 10 a.m. | Hello world! Choosing your data adventure | Acadia, 3rd floor |
| 9 – 10 a.m. | Excel 1: Getting started with spreadsheets | Studio 8, 2nd floor |
| 9 – 10 a.m. | Communicating statistical significance | Galerie 2, 2nd floor |
| 9 – 10 a.m. | Regular expressions for the rest of us | Studio 10, 2nd floor |
| 9 – 10 a.m. | Finding needles in haystacks with fuzzy matching | Studio 9, 2nd floor |
| 9 – 10 a.m. | Introduction to VisiData | Studio 6, 2nd floor |
| 9 – 10 a.m. | Tracking money spent on candidates up and down the ballot in 2020 | Galerie 3, 2nd floor |
| 9 – 10 a.m. | How the internet works (so you can scrape the web!) | Galerie 6, 2nd floor |
| 9 – 10 a.m. | Finding the story: Census data | , floor |
| 9 – 10 a.m. | "Scrollytelling" with MapBox | Studio 1, 2nd floor |
| 10:15 – 11:15 a.m. | Excel 2: Formulas & sorting | Studio 8, 2nd floor |
| 10:15 – 11:15 a.m. | GitHub for journalists | Studio 1, 2nd floor |
| 10:15 – 11:15 a.m. | Turning data into TV gold | Galerie 2, 2nd floor |
| 10:15 – 11:15 a.m. | Finding the story: Using natural language processing in social media research | Studio 9, 2nd floor |
| 10:15 – 11:15 a.m. | How to negotiate for data and records | Bissonet, 3rd floor |
| 10:15 – 11:15 a.m. | How to make charts less bad | Galerie 6, 2nd floor |
| 10:15 – 11:15 a.m. | My own worst enemy: Overcoming impostor syndrome | Galerie 4, 2nd floor |
| 10:15 – 11:15 a.m. | Newsroom web scraping with JavaScript | Studio 6, 2nd floor |
| 10:15 – 11:15 a.m. | Covering immigration with data | Acadia, 3rd floor |
| 10:15 – 11:15 a.m. | Newsroom open-source tool showcase | Galerie 3, 2nd floor |
| 11:30 a.m. – 12:30 p.m. | Investigating natural disasters: What to do before, during and after | Galerie 3, 2nd floor |
| 11:30 a.m. – 12:30 p.m. | Data and docs for your arsenal | Bissonet, 3rd floor |
| 11:30 a.m. – 12:30 p.m. | Excel 3: Filtering & pivot tables | Studio 8, 2nd floor |
| 11:30 a.m. – 12:30 p.m. | Python: Let's scrape a website | Studio 9, 2nd floor |
| 11:30 a.m. – 12:30 p.m. | Google Sheets: Scraping without coding | Studio 1, 2nd floor |
| 11:30 a.m. – 12:30 p.m. | Reasoning for data visualization | Bissonet, 3rd floor |
| 11:30 a.m. – 12:30 p.m. | Datasette | Studio 6, 2nd floor |
| 11:30 a.m. – 12:30 p.m. | Navigating NICAR as a TV journalist | Galerie 4, 2nd floor |
| 11:30 a.m. – 12:30 p.m. | Making graphics in R | Studio 7, 2nd floor |
| 2:15 – 5:45 p.m. | Intro to R (pre-registration required) | Studio 2, 2nd floor |
| 2:15 – 5:45 p.m. | Introduction to web development (pre-registration required) | Studio 9, 2nd floor |

| Time | Session | Room |
|------------------|--|-----------------------|
| 2:15 – 5:45 p.m. | First Observable notebook: Prototyping with polish (pre-registration required) | Studio 3, 2nd floor |
| 2:15 – 5:45 p.m. | Master class: Statistics for journalists | Galerie 5, 2nd floor |
| 2:15 – 3:15 p.m. | Free and easy data viz | Galerie 2, 2nd floor |
| 2:15 – 3:15 p.m. | Excel: Advanced pivot tables | Studio 8, 2nd floor |
| 2:15 – 3:15 p.m. | R 1: Intro to R and RStudio | Studio 7, 2nd floor |
| 2:15 – 3:15 p.m. | Python 1: The fundamentals | Studio 6, 2nd floor |
| 2:15 – 3:15 p.m. | Finding the story: Using DNS search for investigative journalism | Studio 1, 2nd floor |
| 2:15 – 3:15 p.m. | Campaign finance questions people ask ... plus yours! | Galerie 4, 2nd floor |
| 2:15 – 3:15 p.m. | Year in CAR: Local innovation | Acadia, 3rd floor |
| 2:15 – 3:15 p.m. | Finding and researching international connection | Galerie 6, 2nd floor |
| 3 – 5 p.m. | Journalists of color in the newsroom meetup | Carondelet, 3rd floor |
| 3:30 – 4:30 p.m. | R 2: Data analysis and plotting | Studio 7, 2nd floor |
| 3:30 – 4:30 p.m. | Python 2: Intro to data analysis using Pandas | Studio 6, 2nd floor |
| 3:30 – 4:30 p.m. | PDF 1: How to extract text and tables from PDFs like a boss | Studio 8, 2nd floor |
| 3:30 – 4:30 p.m. | Uncloaked: Flight tracking for investigating people, planes and patterns | Galerie 2, 2nd floor |
| 3:30 – 4:30 p.m. | Tracking dark money in the 2020 elections | Bissonet, 3rd floor |
| 3:30 – 4:30 p.m. | Investigating bias: From housing to policing | Acadia, 3rd floor |
| 3:30 – 4:30 p.m. | DataKit: Workflow automation for the newsroom and classroom | Galerie 3, 2nd floor |
| 3:30 – 4:30 p.m. | A demo of the Big Local News platform | Galerie 4, 2nd floor |
| 3:30 – 4:30 p.m. | International year in CAR | Galerie 6, 2nd floor |
| 3:30 – 4:30 p.m. | "Scrollytelling" with Mapbox (repeat) | Studio 1, 2nd floor |
| 4:45 – 5:45 p.m. | R 3: Gathering and cleaning data | Studio 7, 2nd floor |
| 4:45 – 5:45 p.m. | Python 3: Data cleaning and visualization | Studio 6, 2nd floor |
| 4:45 – 5:45 p.m. | Finding the story: Campaign finance | Studio 8, 2nd floor |
| 4:45 – 5:45 p.m. | Countdown to the big count: Getting ready for Census 2020 | Acadia, 3rd floor |
| 4:45 – 5:45 p.m. | Encryption and journalism: From idea to publication | Galerie 3, 2nd floor |
| 4:45 – 5:45 p.m. | Advanced data journalism through a browser | Galerie 6, 2nd floor |
| 4:45 – 5:45 p.m. | Covering housing from A-Z: Localizing affordable housing stories and data | Galerie 2, 2nd floor |
| 4:45 – 5:45 p.m. | DataKit install party | Galerie 4, 2nd floor |
| 4:45 – 5:45 p.m. | Workbench | Studio 1, 2nd floor |

Friday, March 6

| Time | Session | Room |
|---------------------|--|-----------------------|
| 7:30 – 8:45 a.m. | Mentor program breakfast | Carondelet, 3rd floor |
| 9 a.m. – 12:30 p.m. | PyCAR (pre-registration required) | Studio 3, 2nd floor |
| 9 a.m. – 5:45 p.m. | First Python notebook: Data analysis on deadline (pre-registration required) | Studio 6, 2nd floor |
| 9 a.m. – 12:30 p.m. | Digging into data for stories: A crash course in Excel - Group A (pre-registration required) | Studio 2, 2nd floor |

| Time | Session | Room |
|-------------------------|--|----------------------|
| 9 a.m. – 12:30 p.m. | Digging into data for stories: A crash course in Excel - Group B (pre-registration required) | Studio 4, 2nd floor |
| 9 a.m. – 12:30 p.m. | Master class: Election 2020 data | Galerie 5, 2nd floor |
| 9 – 10 a.m. | Victims, villains and heroes: Turning data into characters | Galerie 3, 2nd floor |
| 9 – 10 a.m. | Excel: Basic stats | Studio 8, 2nd floor |
| 9 – 10 a.m. | JavaScript 1: Fundamentals and syntax | Studio 9, 2nd floor |
| 9 – 10 a.m. | Finding the story: Business data | Studio 10, 2nd floor |
| 9 – 10 a.m. | Navigating data.census.gov | Acadia, 3rd floor |
| 9 – 10 a.m. | Getting started with Tableau Public | Studio 7, 2nd floor |
| 9 – 10 a.m. | Encryption tools for journalists | Studio 1, 2nd floor |
| 9 – 10 a.m. | Code buddies: Get help on your project | Galerie 4, 2nd floor |
| 10:15 – 11:15 a.m. | Census: Numbers in the news | Acadia, 3rd floor |
| 10:15 – 11:15 a.m. | JavaScript 2: Hello, D3! | Studio 9, 2nd floor |
| 10:15 – 11:15 a.m. | Google Sheets: Custom formulas and automating tasks with the script editor | Studio 1, 2nd floor |
| 10:15 – 11:15 a.m. | Advanced Tableau | Studio 7, 2nd floor |
| 10:15 – 11:15 a.m. | Scraping in R | Studio 8, 2nd floor |
| 10:15 – 11:15 a.m. | Data Blitz | Galerie 3, 2nd floor |
| 10:15 – 11:15 a.m. | Beyond the horserace of election results graphics | Galerie 6, 2nd floor |
| 10:15 – 11:15 a.m. | Build your own collaborative documentation site: An introduction to Library | Galerie 4, 2nd floor |
| 10:15 – 11:15 a.m. | Interviewing your data | Bissonet, 3rd floor |
| 10:15 – 11:15 a.m. | Finding the story: Data-driven disaster coverage | Studio 10, 2nd floor |
| 11:30 a.m. – 12:30 p.m. | JavaScript 3: Making a map in D3 | Studio 9, 2nd floor |
| 11:30 a.m. – 12:30 p.m. | Hitchhikers guide to APIs | Studio 7, 2nd floor |
| 11:30 a.m. – 12:30 p.m. | Finding the story: Using DNS search for investigative journalism (repeat) | Studio 1, 2nd floor |
| 11:30 a.m. – 12:30 p.m. | Making interactive maps with R | Studio 8, 2nd floor |
| 11:30 a.m. – 12:30 p.m. | Investigating sexual assault, for newsrooms big and small | Bissonet, 3rd floor |
| 11:30 a.m. – 12:30 p.m. | Social media super sleuth | Acadia, 3rd floor |
| 11:30 a.m. – 12:30 p.m. | FOIA from the flip side | Galerie 3, 2nd floor |
| 11:30 a.m. – 12:30 p.m. | Excel tricks you've never used | Studio 10, 2nd floor |
| 11:30 a.m. – 12:30 p.m. | Breaking through coding plateaus | Galerie 4, 2nd floor |
| 11:30 a.m. – 12:30 p.m. | Mentoring for diversity and inclusion | Galerie 2, 2nd floor |
| 2:15 – 5:45 p.m. | ArcGIS: From spreadsheets to StoryMaps (pre-registration required) | Studio 7, 2nd floor |
| 2:15 – 5:45 p.m. | Write better Python code (pre-registration required) | Studio 9, 2nd floor |
| 2:15 – 5:45 p.m. | Master class: Writing the investigative narrative | Galerie 5, 2nd floor |
| 2:15 – 3:15 p.m. | Career paths in data journalism | Bissonet, 3rd floor |
| 2:15 – 3:15 p.m. | Excel 1: Getting started with spreadsheets (repeat) | Studio 8, 2nd floor |
| 2:15 – 3:15 p.m. | SQL 1: Exploring data | Studio 10, 2nd floor |
| 2:15 – 3:15 p.m. | Stats 1: An introduction | Studio 4, 2nd floor |

| Time | Session | Room |
|------------------|--|----------------------|
| 2:15 – 3:15 p.m. | Google Sheets: Scraping without coding (repeat) | Studio 1, 2nd floor |
| 2:15 – 3:15 p.m. | Finding the story: Census data (repeat) | Studio 2, 2nd floor |
| 2:15 – 3:15 p.m. | An automated election twitterbot using R and Python | Studio 3, 2nd floor |
| 2:15 – 3:15 p.m. | Quick-turn data stories | Acadia, 3rd floor |
| 2:15 – 3:15 p.m. | Avant garde data viz | Galerie 6, 2nd floor |
| 2:15 – 3:15 p.m. | Covering disparities in education with data | Galerie 2, 2nd floor |
| 2:15 – 3:15 p.m. | Negotiating for data at scale | Galerie 3, 2nd floor |
| 3:30 – 4:30 p.m. | Finding hidden stories in hidden communities | Bissonet, 3rd floor |
| 3:30 – 4:30 p.m. | Excel 2: Formulas & sorting (repeat) | Studio 8, 2nd floor |
| 3:30 – 4:30 p.m. | SQL 2: Grouping and summing data | Studio 10, 2nd floor |
| 3:30 – 4:30 p.m. | Stats 2: Linear regression | Studio 4, 2nd floor |
| 3:30 – 4:30 p.m. | PDF 2: Using OCR to extract data from PDFs | Studio 3, 2nd floor |
| 3:30 – 4:30 p.m. | Power BI 1: Create interactive data visualizations | Studio 2, 2nd floor |
| 3:30 – 4:30 p.m. | Flourish | Studio 1, 2nd floor |
| 3:30 – 4:30 p.m. | Being a better ally | Galerie 4, 2nd floor |
| 3:30 – 4:30 p.m. | Day-turn investigations | Galerie 6, 2nd floor |
| 3:30 – 4:30 p.m. | Machine learning for the rest of us | Galerie 3, 2nd floor |
| 3:30 – 4:30 p.m. | Beyond pictures: Turning satellite imagery into data | Galerie 2, 2nd floor |
| 4:45 – 5:45 p.m. | Excel 3: Filtering & pivot tables (repeat) | Studio 8, 2nd floor |
| 4:45 – 5:45 p.m. | SQL 3: Joining tables | Studio 10, 2nd floor |
| 4:45 – 5:45 p.m. | Stats 3: Logistic regression | Studio 4, 2nd floor |
| 4:45 – 5:45 p.m. | PDF 3: Batch pdf processing | Studio 3, 2nd floor |
| 4:45 – 5:45 p.m. | Geocoding using online tools | Studio 1, 2nd floor |
| 4:45 – 5:45 p.m. | Lightning Talks | Acadia, 3rd floor |
| 4:45 – 5:45 p.m. | Power BI 2: Clean, join and visualize data | Studio 2, 2nd floor |

Saturday, March 7

| Time | Session | Room |
|---------------------|---|----------------------|
| 9 a.m. – 12:30 p.m. | Mastering Google Sheets: Web scraping, running scripts and other tricks (pre-registration required) | Studio 1, 2nd floor |
| 9 a.m. – 12:30 p.m. | Digging into data for stories: A crash course in Excel - Group A (pre-registration required) | Studio 2, 2nd floor |
| 9 a.m. – 12:30 p.m. | Digging into data for stories: A crash course in Excel - Group B (pre-registration required) | Studio 4, 2nd floor |
| 9 a.m. – 5:45 p.m. | Exploring the tidyverse in R (pre-registration required) | Studio 7, 2nd floor |
| 9 a.m. – 5:45 p.m. | First graphics app: Node.js in the newsroom (pre-registration required) | Studio 3, 2nd floor |
| 9 a.m. – 12:30 p.m. | Web scraping with Python (pre-registration required) | Studio 9, 2nd floor |
| 9 a.m. – 12:30 p.m. | Master class: Finding and telling stories with earth imagery | Galerie 5, 2nd floor |
| 9 – 10 a.m. | Advanced SQL: Update queries, sub-queries and more | Studio 10, 2nd floor |
| 9 – 10 a.m. | Command line for reporters (Mac) | Studio 6, 2nd floor |

| Time | Session | Room |
|-------------------------|--|----------------------|
| 9 – 10 a.m. | Enriched census data from IPUMS | Galerie 6, 2nd floor |
| 9 – 10 a.m. | Mobile, data and desktop reporting tools for your newsroom | Acadia, 3rd floor |
| 9 – 10 a.m. | QGIS 1: Mapmaking for beginners | Studio 8, 2nd floor |
| 9 – 10 a.m. | How I learn to tell stories with data | Galerie 4, 2nd floor |
| 9 – 10 a.m. | Covering climate change: Beyond models and speculation | Galerie 3, 2nd floor |
| 10:15 – 11:15 a.m. | Finding & using international data | Galerie 6, 2nd floor |
| 10:15 – 11:15 a.m. | MySQL | Studio 10, 2nd floor |
| 10:15 – 11:15 a.m. | Voter file data from topline to deep dives to breaches | Bissonet, 3rd floor |
| 10:15 – 11:15 a.m. | Exploring networks with graph databases | Studio 6, 2nd floor |
| 10:15 – 11:15 a.m. | Dear diary: Best practices for keeping a data diary | Galerie 3, 2nd floor |
| 10:15 – 11:15 a.m. | QGIS 2: Analyzing geographic data | Studio 8, 2nd floor |
| 10:15 – 11:15 a.m. | Burner profiles: How to safely create social media profiles for your investigations | Acadia, 3rd floor |
| 10:15 – 11:15 a.m. | Unpacking AI's influence in your community | Galerie 2, 2nd floor |
| 10:15 – 11:15 a.m. | Introducing and implementing security protocols in your newsroom | Galerie 4, 2nd floor |
| 11:30 a.m. – 12:30 p.m. | Building and telling a bulletproof data story | Galerie 3, 2nd floor |
| 11:30 a.m. – 12:30 p.m. | Text mining in R with tidytext | Studio 6, 2nd floor |
| 11:30 a.m. – 12:30 p.m. | Beyond formulas: A statistical world view | Galerie 6, 2nd floor |
| 11:30 a.m. – 12:30 p.m. | Painting pictures by the numbers with R (repeat) | Studio 8, 2nd floor |
| 11:30 a.m. – 12:30 p.m. | Art of the interview | Galerie 2, 2nd floor |
| 11:30 a.m. – 12:30 p.m. | Finding data for local investigations | Acadia, 3rd floor |
| 11:30 a.m. – 12:30 p.m. | Master your data with Power Query for Excel and Power BI | Studio 10, 2nd floor |
| 11:30 a.m. – 12:30 p.m. | Public Accountability project | Galerie 4, 2nd floor |
| 2:15 – 5:45 p.m. | Interactive data viz with D3 (pre-registration required) | Studio 9, 2nd floor |
| 2:15 – 5:45 p.m. | Master class: Interviewing | Galerie 5, 2nd floor |
| 2:15 – 3:15 p.m. | Research gumbo: Redux | Galerie 6, 2nd floor |
| 2:15 – 3:15 p.m. | Excel: Importing data | Studio 8, 2nd floor |
| 2:15 – 3:15 p.m. | SQL 1: Exploring data (repeat) | Studio 10, 2nd floor |
| 2:15 – 3:15 p.m. | R 1: Intro to R and RStudio (repeat) | Studio 2, 2nd floor |
| 2:15 – 5:45 p.m. | Practical machine learning for investigations with fast.ai (pre-registration required) | Studio 1, 2nd floor |
| 2:15 – 3:15 p.m. | Using csvkit to wrangle data without Excel | Studio 6, 2nd floor |
| 2:15 – 3:15 p.m. | Tracking 2020 digital ads: Learn the secrets of new political ad databases | Galerie 2, 2nd floor |
| 2:15 – 3:15 p.m. | Seeing the story: How to write the data-driven investigation | Acadia, 3rd floor |
| 2:15 – 3:15 p.m. | Being scrappy: Doing data journalism as a team of one | Galerie 4, 2nd floor |
| 2:15 – 3:15 p.m. | Inside police databases | Bissonet, 3rd floor |
| 2:15 – 3:15 p.m. | Finding the story in property records | Studio 4, 2nd floor |
| 3:30 – 4:30 p.m. | Excel CARwash: Cleaning dirty data | Studio 8, 2nd floor |
| 3:30 – 4:30 p.m. | SQL 2: Grouping and summing data (repeat) | Studio 10, 2nd floor |
| 3:30 – 4:30 p.m. | R 2: Data analysis and plotting (repeat) | Studio 2, 2nd floor |

| Time | Session | Room |
|------------------|--|----------------------|
| 3:30 – 4:30 p.m. | How to build a live data-driven application that never crashes | Studio 6, 2nd floor |
| 3:30 – 4:30 p.m. | How to make data findings come to life on radio | Galerie 6, 2nd floor |
| 3:30 – 4:30 p.m. | Leading the data team | Galerie 2, 2nd floor |
| 3:30 – 4:30 p.m. | Turning courts docs into data | Acadia, 3rd floor |
| 3:30 – 4:30 p.m. | Census Reporting 2.0 | Galerie 4, 2nd floor |
| 4:45 – 5:45 p.m. | Excel: Using string functions to manipulate data | Studio 8, 2nd floor |
| 4:45 – 5:45 p.m. | SQL 3: Joining tables (repeat) | Studio 10, 2nd floor |
| 4:45 – 5:45 p.m. | R 3: Gathering and cleaning data (repeat) | Studio 2, 2nd floor |
| 4:45 – 5:45 p.m. | Bringing data journalism to your student newsroom | Galerie 4, 2nd floor |
| 4:45 – 5:45 p.m. | Using IRS nonprofit data and decoding 990s | Bissonet, 3rd floor |
| 4:45 – 5:45 p.m. | Collaborate tool | Galerie 2, 2nd floor |
| 4:45 – 5:45 p.m. | Geocoding using programming | , floor |

Sunday, March 8

| Time | Session | Room |
|-------------------------|--|----------------------|
| 9 – 10 a.m. | JavaScript 2: Hello D3! (repeat) | Studio 3, 2nd floor |
| 9 – 10 a.m. | Stats 1: An introduction (repeat) | Studio 2, 2nd floor |
| 9 – 10 a.m. | Python 1: The fundamentals (repeat) | Studio 6, 2nd floor |
| 9 – 10 a.m. | PDF 1: Using free online tools (repeat) | Studio 7, 2nd floor |
| 9 – 10 a.m. | Finding the story: Opioid data | Studio 4, 2nd floor |
| 9 – 10 a.m. | TL;DR: What to remember when you forget everything else | Galerie 2, 2nd floor |
| 9 a.m. – 12:30 p.m. | 2020 Election hackathon | Galerie 4, 2nd floor |
| 9 a.m. – 12:30 p.m. | Master class: Getting ready to cover Census 2020 | Galerie 5, 2nd floor |
| 9 – 10 a.m. | Finding the story: Using natural language processing in social media research (repeat) | , floor |
| 10:15 – 11:15 a.m. | JavaScript 3: Making a map in D3 (repeat) | Studio 3, 2nd floor |
| 10:15 – 11:15 a.m. | Stats 2: Linear regression (repeat) | Studio 2, 2nd floor |
| 10:15 – 11:15 a.m. | Python 2: Intro to data analysis using Pandas (repeat) | Studio 6, 2nd floor |
| 10:15 – 11:15 a.m. | Python: Let's scrape a website (repeat) | Studio 9, 2nd floor |
| 10:15 a.m. – 12:30 p.m. | Building your own database workshop | Galerie 6, 2nd floor |
| 10:15 – 11:15 a.m. | Where'd I put that file? | Galerie 2, 2nd floor |
| 10:15 – 11:15 a.m. | PDF 2: Using OCR to extract data from PDFs (repeat) | Studio 7, 2nd floor |
| 10:15 – 11:15 a.m. | Advanced SQL: Update queries, sub-queries and more (repeat) | , floor |
| 11:30 a.m. – 12:30 p.m. | SQL CARwash: Cleaning dirty data | Studio 4, 2nd floor |
| 11:30 a.m. – 12:30 p.m. | Python 3: Data cleaning and visualization (repeat) | Studio 6, 2nd floor |
| 11:30 a.m. – 12:30 p.m. | GitHub for journalists (repeat) | , floor |
| 11:30 a.m. – 12:30 p.m. | Stats 3: Logistic regression (repeat) | Studio 2, 2nd floor |
| 11:30 a.m. – 12:30 p.m. | PDF 3: Batch pdf processing (repeat) | Studio 7, 2nd floor |
| 11:30 a.m. – 12:30 p.m. | Mapping in Python | , floor |