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# 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)

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**Conference website:** Read our code of conduct, check out special events and more at [ire.org/nicar20](https://ire.org/nicar20).

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


This schedule was updated on March 3, 2020, with 241 of 241 sessions confirmed, but it could change! For the most current information, download the Guidebook app ([guidebook.com](https://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](https://ire.org/nicar20-schedule).

# Wednesday, March 4

| Time       | Session                 | Room                          |
|------------|-------------------------|-------------------------------|
| 3 – 6 p.m. | Conference registration | Preservation Foyer, 2nd floor |

# Thursday, March 5

| Time                | Session                                                                                                                   | Room                          |
|---------------------|---------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| 7:30 a.m. – 6 p.m.  | Conference registration                                                                                                   | Preservation Foyer, 2nd floor |
| 7:30 a.m. – 6 p.m.  | Conference sales                                                                                                          | Studio Foyers, 2nd floor      |
| 7:30 – 8:15 a.m.    | International meet and greet                                                                                              | Carondelet, 3rd floor         |
| 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.         |  Hello world! Choose your data adventure | Acadia, 3rd floor             |
| 9 – 10 a.m.         | Excel 1: Getting started with spreadsheets                                                                                | Studio 8, 2nd floor           |
| 9 – 10 a.m.         | Data Dive 1: The 2019 Philip Meyer winners                                                                                | Bissonet, 3rd 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 I learn to tell stories with data                                                                                     | Galerie 4, 2nd floor          |
| 9 – 10 a.m.         | How the internet works (so you can scrape the web!)                                                                       | Galerie 6, 2nd floor          |
| 9 – 10 a.m.         | Negotiating for data at scale                                                                                             | Galerie 2, 2nd floor          |
| 9 – 10 a.m.         | Finding the story: Census data                                                                                            | Studio 7, 2nd floor           |
| 9 – 10 a.m.         | "Scrollytelling" with MapBox                                                                                              | Studio 1, 2nd floor           |
| 9 a.m. – 5 p.m.     | Exhibitors and recruiters                                                                                                 | Studio Foyers, 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.  | Mining 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          |
| 10:15 – 11:15 a.m.  | Data cleaning with OpenRefine 1: The basics                                                                               | Studio 10, 2nd floor          |

| Time                    | Session                                                                                                        | Room                  |
|-------------------------|----------------------------------------------------------------------------------------------------------------|-----------------------|
| 10:15 – 11:15 a.m.      | Create interactive demographic maps in minutes with ArcGIS Online                                              | Studio 7, 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. | Covering polls and understanding best polling practices for 2020                                               | Acadia, 3rd floor     |
| 11:30 a.m. – 12:30 p.m. | Datasette: An ecosystem of tools for exploring data and collaborating on data projects                         | Studio 6, 2nd floor   |
| 11:30 a.m. – 12:30 p.m. | Bringing data journalism to your student newsroom                                                              | Galerie 4, 2nd floor  |
| 11:30 a.m. – 12:30 p.m. | Covering the Coronavirus: Reporting on local emergency preparedness                                            | Galerie 2, 2nd floor  |
| 11:30 a.m. – 12:30 p.m. | Making graphics with R                                                                                         | Studio 7, 2nd floor   |
| 11:30 a.m. – 12:30 p.m. | Data cleaning with OpenRefine 2: More advanced uses                                                            | Studio 10, 2nd floor  |
| 11:30 a.m. – 12:30 p.m. | Introduction to Google Data Studio                                                                             | Galerie 6, 2nd floor  |
| 12:45 – 2 p.m.          | Journalists of color in the newsroom meetup                                                                    | Carondelet, 3rd 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   |
| 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.        | Using open crime and policing data                                                                             | Galerie 3, 2nd floor  |
| 2:15 – 3:15 p.m.        | Year in CAR: Local innovation                                                                                  | Acadia, 3rd floor     |
| 2:15 – 3:15 p.m.        | Diverse newsrooms can produce better journalism: Let's make it happen                                          | Bissonet, 3rd floor   |
| 2:15 – 3:15 p.m.        | Finding and researching international connection                                                               | Galerie 6, 2nd floor  |
| 2:15 – 5:45 p.m.        | Mastering Google Sheets: Web scraping, running scripts and other tricks (Thursday) (pre-registration required) | Studio 10, 2nd 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  |

| Time             | Session                                                                   | Room                  |
|------------------|---------------------------------------------------------------------------|-----------------------|
| 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 in Excel                              | 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. | The wrong things we all do                                                | Bissonet, 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: Reproducible data work without coding                          | Studio 1, 2nd floor   |
| 6 – 7:15 p.m.    | Welcome reception                                                         | Carondelet, 3rd floor |

## Friday, March 6

| Time                | Session                                                                            | Room                          |
|---------------------|------------------------------------------------------------------------------------|-------------------------------|
| 7:30 – 8:45 a.m.    | Mentor program breakfast                                                           | Carondelet, 3rd floor         |
| 8 a.m. – 5 p.m.     | Conference registration                                                            | Preservation Foyer, 2nd floor |
| 8 a.m. – 5 p.m.     | Conference sales                                                                   | Studio Foyers, 2nd 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 (pre-registration required) | Studio 2, 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.         | Data Dive 2: Senior care, access to clean water, the probation trap                | Bissonet, 3rd 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 4, 2nd floor           |
| 9 – 10 a.m.         | Exploring the radio spectrum for news                                              | Galerie 2, 2nd floor          |
| 9 – 10 a.m.         | Code buddies: Get help on your project                                             | Galerie 4, 2nd floor          |
| 9 – 10 a.m.         | Three free & powerful tools for analyzing document dumps                           | Galerie 6, 2nd floor          |
| 9 a.m. – 5 p.m.     | Exhibitors and recruiters                                                          | Studio Foyers, 2nd floor      |
| 9 a.m. – 12:30 p.m. | Master Class: Writing the investigative narrative (Friday morning)                 | Studio 1, 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           |

| Time                    | Session                                                                     | Room                 |
|-------------------------|-----------------------------------------------------------------------------|----------------------|
| 10:15 – 11:15 a.m.      | Google Sheets: Custom formulas and automating tasks with the script editor  | Studio 4, 2nd floor  |
| 10:15 – 11:15 a.m.      | How to find -- and forget -- data for your environment stories              | Galerie 2, 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. | Everything we know about covering guns, in one hour                         | Galerie 6, 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 4, 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. | Data on the wildfire beat                                                   | Galerie 2, 2nd floor |
| 11:30 a.m. – 12:30 p.m. | Digital sleuthing with Bellingcat                                           | 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 |
| 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 (Friday afternoon)        | 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  |
| 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.        | State of newsroom diversity reports                                         | Galerie 4, 2nd floor |
| 2:15 – 3:15 p.m.        | Tracking health misinformation across social media                          | Galerie 3, 2nd floor |
| 3:30 – 4:30 p.m.        | Covering undercovered 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 |

| Time             | Session                                              | Room                  |
|------------------|------------------------------------------------------|-----------------------|
| 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. | Data visualization & storytelling with Flourish      | Studio 1, 2nd floor   |
| 3:30 – 4:30 p.m. | CANCELED - Communicating statistical significance    | Acadia, 3rd 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. | Power BI 2: Clean, join and visualize data           | Studio 2, 2nd floor   |
| 5 – 6:15 p.m.    | Lightning Talks                                      | Acadia, 3rd floor     |
| 6:15 – 6:30 p.m. | Philip Meyer Award presentation                      | Acadia, 3rd floor     |
| 6:30 – 7:30 p.m. | Philip Meyer reception                               | Carondelet, 3rd floor |

## Saturday, March 7

| Time                | Session                                                                                                        | Room                          |
|---------------------|----------------------------------------------------------------------------------------------------------------|-------------------------------|
| 8:30 a.m. – 6 p.m.  | Conference registration                                                                                        | Preservation Foyer, 2nd floor |
| 8:30 a.m. – 6 p.m.  | Conference sales                                                                                               | Studio Foyers, 2nd floor      |
| 9 a.m. – 12:30 p.m. | Mastering Google Sheets: Web scraping, running scripts and other tricks (Saturday) (pre-registration required) | Studio 1, 2nd floor           |
| 9 a.m. – 12:30 p.m. | Digging into data for stories: A crash course in Excel (pre-registration required)                             | Studio 2, 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.         | Educators meetup                                                                                               | Galerie 4, 2nd floor          |
| 9 – 10 a.m.         | Advanced SQL: Update queries, sub-queries and more                                                             | Studio 10, 2nd floor          |
| 9 – 10 a.m.         | Data Dive 3: Cancer Alley, H-1B Visas, sexual abuse and assault                                                | Bissonet, 3rd floor           |
| 9 – 10 a.m.         | Command line for reporters (Mac)                                                                               | Studio 6, 2nd floor           |
| 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 researchers and journalists work together and why it sometimes falls apart                                 | Galerie 3, 2nd floor          |

| Time                    | Session                                                                                                     | Room                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------|--------------------------|
| 9 a.m. – 5 p.m.         | Exhibitors and recruiters                                                                                   | Studio Foyers, 2nd floor |
| 9 – 10 a.m.             | FOIA on the fly                                                                                             | Galerie 2, 2nd floor     |
| 9 a.m. – 12:30 p.m.     | Practical machine learning for investigations with fast.ai (Saturday morning) (pre-registration required)   | Studio 4, 2nd floor      |
| 10:15 – 11:15 a.m.      | Finding and 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.      | CANCELED - Burner profiles: Using virtual machines to protect yourself from doxxing                         | Acadia, 3rd floor        |
| 10:15 – 11:15 a.m.      | Unpacking AI's influence in society                                                                         | Galerie 2, 2nd floor     |
| 10:15 – 11:15 a.m.      | Introducing and implementing security protocols in your reporting process                                   | 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. | Reasoning for data visualization                                                                            | Bissonet, 3rd 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. | Making graphics 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. | CANCELED - Consolidate, shape, and re-use web data with Excel Power Query                                   | Studio 10, 2nd floor     |
| 11:30 a.m. – 12:30 p.m. | Using the Public Accountability Project to boost your reporting                                             | 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 (Saturday afternoon) (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.        | The life of a data story: Going from data to narrative                                                      | 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.        | Finding the story in property records                                                                       | Bissonet, 3rd floor      |
| 2:15 – 3:15 p.m.        | Career roundtable: Making big moves                                                                         | Galerie 3, 2nd floor     |
| 2:15 – 3:15 p.m.        | Excel tricks you've never used (repeat)                                                                     | Studio 4, 2nd floor      |
| 3:30 – 4:30 p.m.        | Excel CARwash: Cleaning dirty data                                                                          | Studio 8, 2nd floor      |

| Time             | Session                                                                                 | Room                                         |
|------------------|-----------------------------------------------------------------------------------------|----------------------------------------------|
| 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                          |
| 3:30 – 4:30 p.m. | Using data viz to explore data and find stories                                         | Galerie 3, 2nd floor                         |
| 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. | Digital security hygiene and threat modeling for journalists                            | Bissonet, 3rd floor                          |
| 3:30 – 4:30 p.m. | Leading the data team, or how to get the best from your newsroom's brightest people     | Galerie 2, 2nd floor                         |
| 3:30 – 4:30 p.m. | How to squeeze court records to get the most juice                                      | Acadia, 3rd floor                            |
| 3:30 – 4:30 p.m. | Census Reporting 2.0                                                                    | Galerie 4, 2nd floor                         |
| 3:30 – 4:30 p.m. | Finding the story: Campaign finance in SQL                                              | Studio 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. | Exploratory data viz: A tool for collaborative data reporting                           | Studio 4, 2nd floor                          |
| 4:45 – 5:45 p.m. | Work-life balance                                                                       | Acadia, 3rd floor                            |
| 4:45 – 5:45 p.m. | Using data in your reporting as a student                                               | Galerie 4, 2nd floor                         |
| 4:45 – 5:45 p.m. | News automation is booming: How newsrooms are embracing automation                      | Galerie 6, 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. | Community-powered data collection: Enlisting your audience to help power investigations | Galerie 3, 2nd floor                         |
| 4:45 – 5:45 p.m. | Geocoding using programming                                                             | Studio 6, 2nd floor                          |
| 6:30 – 7:30 p.m. | Closing reception                                                                       | New Orleans Audubon Aquarium of the Americas |

## 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.         | CANCELED - 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. | Election 2020 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) | Studio 9, 2nd floor      |
| 9 – 10:30 a.m.      | Conference sales                                                                       | Studio Foyers, 2nd floor |
| 9 – 10 a.m.         | Storyboarding and perfecting your pitch                                                | Galerie 3, 2nd floor     |



| Time                    | Session                                                               | Room                 |
|-------------------------|-----------------------------------------------------------------------|----------------------|
| 10:15 – 11:15 a.m.      | CANCELED - 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. | Turning your stack of documents into structured data                  | 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)           | Studio 4, 2nd floor  |
| 10:15 – 11:15 a.m.      | Accessing political ad data from the Facebook and Google ad libraries | Galerie 3, 2nd 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. | How and why to Dockerize your project                                 | Galerie 3, 2nd floor |
| 11:30 a.m. – 12:30 p.m. | GitHub for journalists (repeat)                                       | Studio 3, 2nd floor  |
| 11:30 a.m. – 12:30 p.m. | Finding the story: Scripting your census analysis                     | 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                                                     | Studio 9, 2nd floor  |
| 11:30 a.m. – 12:30 p.m. | 🥳 Install party!                                                      | Galerie 2, 2nd floor |