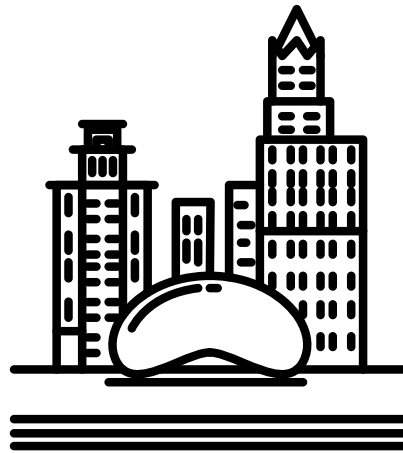# 2018 CAR Conference

Chicago, Illinois • March 8-11, 2018

Chicago Marriott Downtown Magnificent Mile
540 N. Michigan Ave, Chicago, IL 60611

This schedule was updated on February 27, 2018, but it could change. For the most current information, download the Guidebook app (guidebook.com) and search "2018 CAR Conference."

Get this schedule as a CSV: tinyurl.com/nicar18-csv-schedule

Cloud Gate icon by Claire Skelly from the Noun Project.

Sponsors and supporters

- [Chicago Headline Club](#)
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- [Missouri School of Journalism](#)
- [Python Software Foundation](#)
- [Robert R. McCormick Foundation](#)

Exhibitors and recruiters

Visit exhibitors and recruiters Thursday, Friday and Saturday from 9 a.m. - 5 p.m. Confirmed exhibitors and recruiters include:

- [Ball State University](#)
- [Dataminr](#)
- [Esri](#)
- [Ipsos](#)
- [Microsoft Data Journalism Program](#)
- [MIT - Probabilistic Computing Project](#)
- [U.S. Census Bureau](#)
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The IRE Principles

Investigative Reporters & Editors is committed to providing a friendly, safe and welcoming environment for all, regardless of gender, ethnicity, sexual orientation, physical ability, age, appearance or religion.

IRE supports vigorous debate and welcomes disagreement, while maintaining a civil and respectful community.

IRE may take any action it deems appropriate to deal with those who violate our principles, including exclusion from our events, forums, listservs and the organization itself.

Anyone who feels threatened or in immediate jeopardy during an IRE event should call building security in Chicago (312-245-4761) or local police by dialing 911.

Additional concerns can be brought to the attention of IRE staff or board members in person. Contact information for both staff and board members can also be found on IRE's website.

Receptions and outside meetups

Join us Thursday night for a welcome reception beginning at 6 p.m. in Salon III. Each attendee will receive one drink ticket for beer, wine, soda or bottled water.

Friday night, the 2017 Philip Meyer Journalism Awards will be presented. The awards recognize the best uses of social research methods in journalism and are named in honor of Philip Meyer, author of "Precision Journalism" and retired Knight Chair in Journalism and UNC School of Journalism and Mass Communications.

You can also find a list of social events and outside meetups during the conference at this link: tinyurl.com/nicar18-meetups

Schedule at a glance

Wednesday, March 7

Time	Session	Room	Category
1 – 5 p.m.	Techraking 21: Bootstrapping the news (Sponsored by Reveal from The Center for Investigative Reporting)	Denver/Houston/Kansas City	Special
2 – 4 p.m.	Reporting with data for business and economics (Hosted by Donald W. Reynolds National Center for Business Journalism)	Clark	Special

Thursday, March 8

Time	Session	Room	Category
8:30 – 8:50 a.m.	Hacking your first NICAR	Grand Ballroom II	Special
9 a.m. – 5:45 p.m.	Exploring the tidyverse in R (intermediate) *pre-registered attendees only	Purdue/Wisconsin	Hands-on
9 a.m. – 12:30 p.m.	PyCAR (intermediate) *pre-registered attendees only	Lincolnshire	Hands-on
9 – 10:30 a.m.	Interactive data graphics in Tableau Public (Hosted by Tableau)	Great America	Hands-on
9 – 10 a.m.	Getting started: Introduction to CAR and the conference	Grand Ballroom I	Panel
9 – 10 a.m.	What the hell is D3? And other questions you're afraid to ask	Grand Ballroom II	Panel
9 – 10 a.m.	How and why to make your data analysis reproducible	Addison	Panel
9 – 10 a.m.	Time, location and context: Analyzing and presenting location-based/ geographic data	Grand Ballroom III	Panel
9 – 10 a.m.	Excel 1: Getting started with spreadsheets	Michigan/ Michigan St	Hands-on
9 – 10 a.m.	Google Sheets: Using advanced functions	Indiana/Iowa	Hands-on
9 – 10 a.m.	Searchable, interactive data tables in an hour or less	Northwestern/ Ohio St	Hands-on
9 – 10 a.m.	PostgreSQL	Sheffield	Hands-on
9 – 10 a.m.	Maps made easy	Grace	Hands-on
9 – 10 a.m.	Using OpenCorporates to investigate companies	Clark	Demo
9 – 10 a.m.	Conversation: Intro to BayesDB: Open-source AI that helps journalists search messy multivariate data	Halsted	NA
10:15 – 11:15 a.m.	Year in CAR	Grand Ballroom I	Panel
10:15 – 11:15 a.m.	Beyond Signal: The latest secure messaging apps (Security Track)	Clark	Demo
10:15 – 11:15 a.m.	Education civil rights data: The good, the bad, the dirty (Diversity Track)	Addison	Panel
10:15 – 11:15 a.m.	Deep dives for radio and podcasts	Grand Ballroom II	Panel
10:15 – 11:15 a.m.	Uncovering inequity in property taxes	Grand Ballroom III	Panel
10:15 – 11:15 a.m.	Excel 2: Using formulas for stories	Michigan/ Michigan St	Hands-on
10:15 – 11:15 a.m.	Google Sheets: Scraping without coding	Indiana/Iowa	Hands-on
10:15 – 11:15 a.m.	Unleash the data: Tools and tricks for taming PDFs	Sheffield	Hands-on
10:15 – 11:15 a.m.	Conversation: Data blitz	Halsted	Commons
10:15 – 11:15 a.m.	Github for journalists	Grace	Hands-on
10:15 – 11:15 a.m.	Finding the story: Opioid data	Northwestern/ Ohio St	Hands-on
11 a.m. – 12:30 p.m.	Show where the story is happening with maps in Tableau Public (Hosted by Tableau)	Great America	Hands-on
11:30 a.m. – 12:30 p.m.	The only one in the newsroom	Addison	Panel

Time	Session	Room	Category
11:30 a.m. – 12:30 p.m.	Automated content synthesis using neural networks	Grand Ballroom III	Panel
11:30 a.m. – 12:30 p.m.	Putting your town under a microscope -- and keeping it there	Grand Ballroom II	Panel
11:30 a.m. – 12:30 p.m.	Diversity in the newsroom: Tips on hiring and retaining a diverse workforce	Grand Ballroom I	Panel
11:30 a.m. – 12:30 p.m.	IPUMS and microdata - Diving deep with Census	Clark	Demo
11:30 a.m. – 12:30 p.m.	Excel 3: Pivot tables	Michigan/ Michigan St	Hands-on
11:30 a.m. – 12:30 p.m.	Google Sheets: Advanced scraping using coding	Indiana/Iowa	Hands-on
11:30 a.m. – 12:30 p.m.	From climate change to homelessness: Using housing data on any beat	Sheffield	Hands-on
11:30 a.m. – 12:30 p.m.	Finding the story: Open policing data	Northwestern/ Ohio St	Hands-on
11:30 a.m. – 12:30 p.m.	Conversation: Learn from my fail	Halsted	Commons
11:30 a.m. – 12:30 p.m.	Life after Code: The Computational Journalism Workbench	Grace	Hands-on
1:30 – 3 p.m.	Finding and telling data stories with Tableau Public (Hosted by Tableau)	Great America	Hands-on
2:15 – 3:15 p.m.	Building happy cross-functional teams	Grand Ballroom I	Panel
2:15 – 3:15 p.m.	Finding hidden stories in hidden communities (Diversity Track)	Addison	Panel
2:15 – 3:15 p.m.	Who's who and what's real on social media	Grand Ballroom III	Panel
2:15 – 3:15 p.m.	Which chart should I use, and why? Information design for the human brain! (Design Track)	Grand Ballroom II	Panel
2:15 – 3:15 p.m.	SQL 1: Exploring data	Michigan/ Michigan St	Hands-on
2:15 – 3:15 p.m.	Python 1: The fundamentals	Indiana/Iowa	Hands-on
2:15 – 3:15 p.m.	JavaScript 1: Fundamentals and syntax	Lincolnshire	Hands-on
2:15 – 3:15 p.m.	Mapping in Excel with ArcGIS maps for Office	Sheffield	Hands-on
2:15 – 3:15 p.m.	Stats 1: An introduction	Northwestern/ Ohio St	Hands-on
2:15 – 3:15 p.m.	Security tools for journalists (Security Track)	Grace	Hands-on
2:15 – 3:15 p.m.	Conversation: Recycle dataviz: Invest time in elements you can reuse or update quickly	Halsted	Commons
2:15 – 3:15 p.m.	Demo: Security tools for journalists (Security Track)	Clark	Demo
3:30 – 5 p.m.	Overview of data journalism curriculum for universities (Hosted by Tableau)	Great America	Hands-on
3:30 – 4:30 p.m.	Beyond the numbers: Turn data into characters in your story	Grand Ballroom III	Panel
3:30 – 4:30 p.m.	Investigating hate when the data isn't there (Diversity Track)	Grand Ballroom II	Panel
3:30 – 4:30 p.m.	Data visualization in the upside down (Sponsored by Mapbox)	Addison	Panel
3:30 – 4:30 p.m.	Wielding data to investigate police misconduct	Grand Ballroom I	Panel
3:30 – 4:30 p.m.	Getting started with StoryMap	Clark	Demo
3:30 – 4:30 p.m.	QGIS 1: Importing and displaying geographic data	Sheffield	Hands-on

Time	Session	Room	Category
3:30 – 4:30 p.m.	SQL 2: Grouping and summing data	Michigan/Michigan St	Hands-on
3:30 – 4:30 p.m.	Stats 2: Linear regression	Northwestern/Ohio St	Hands-on
3:30 – 4:30 p.m.	Python 2: Intro to data analysis using Pandas	Indiana/Iowa	Hands-on
3:30 – 4:30 p.m.	JavaScript 2: Hello D3!	Lincolnshire	Hands-on
3:30 – 4:30 p.m.	What the worst user interface ever can teach you about design (Hosted by the Society for News Design) (Design Track)	Grace	Hands-on
3:30 – 4:30 p.m.	Conversation: Women in the newsroom (Diversity Track)	Halsted	Commons
4:45 – 5:45 p.m.	Early career straight-talk: A Q&A on all things jobs and internships	Addison	Panel
4:45 – 5:45 p.m.	All charts lie. Some lie more than others	Grand Ballroom II	Panel
4:45 – 5:45 p.m.	Getting started with machine learning for reporting	Grand Ballroom I	Panel
4:45 – 5:45 p.m.	Datakit: A toolkit for data projects	Clark	Demo
4:45 – 5:45 p.m.	QGIS 2: Building your first map	Sheffield	Hands-on
4:45 – 5:45 p.m.	SQL 3: Joining tables	Michigan/Michigan St	Hands-on
4:45 – 5:45 p.m.	Python 3: Data cleaning and visualization with Pandas and Matplotlib	Indiana/Iowa	Hands-on
4:45 – 5:45 p.m.	JavaScript 3: Easy, breezy, beautiful D3 maps	Lincolnshire	Hands-on
4:45 – 5:45 p.m.	Build a chat bot	Grace	Hands-on
4:45 – 5:45 p.m.	Conversation: More bibles, fewer priests: Tools for running self-managing teams	Halsted	Commons
4:45 – 5:45 p.m.	Stats 3: Logistic regression (in PSPP)	Northwestern/Ohio St	Hands-on

Friday, March 9

Time	Session	Room	Category
9 a.m. – 10 p.m.	How to find reporting leads and publishable facts in text data you already have	Grand Ballroom III	Panel
9 a.m. – 4:30 p.m.	MapCamp: QGIS (intermediate) *pre-registered attendees only	Sheffield	Hands-on
9 a.m. – 4:30 p.m.	First Python Notebook: Rapid data analysis in the newsroom (beginner/intermediate) *pre-registered attendees only	Great America	Hands-on
9 a.m. – 12:30 p.m.	How to find stories in data through visualization (intermediate) *pre-registered attendees only	Grace	Hands-on
9 – 10 a.m.	Securing data and communications (Security Track)	Grand Ballroom I	Panel
9 – 10 a.m.	Building and telling a bulletproof data story	Grand Ballroom II	Panel
9 – 10 a.m.	Wagging the dog: Using campaign finance data to cover the midterm elections (Election/Politics Track)	Addison	Panel
9 – 10 a.m.	Digging through the web	Clark	Demo

Time	Session	Room	Category
9 – 10 a.m.	R 1: Intro to R and RStudio	Northwestern/Ohio St	Hands-on
9 – 10 a.m.	OpenRefine	Indiana/Iowa	Hands-on
9 – 10 a.m.	Conversation: Journalism residency fellowships	Halsted	Commons
9 – 10 a.m.	Unleash the data: Tools and tricks for taming PDFs (repeat session)	Michigan/Michigan St	Hands-on
9 – 10 a.m.	Python 1: The fundamentals (repeat session)	Indiana/Iowa	Hands-on
10:15 – 11:15 a.m.	Risky research: Investigating on the deep web (Security Track)	Grand Ballroom I	Panel
10:15 – 11:15 a.m.	Evolving forms and the future of live coverage	Grand Ballroom III	Panel
10:15 – 11:15 a.m.	Misinformation on social media: Can technology save us?	Grand Ballroom II	Panel
10:15 – 11:15 a.m.	Bring your investigative reporting to life using animation and comics	Addison	Panel
10:15 – 11:15 a.m.	30/60: 30 tools for storytelling in 60 minutes	Clark	Demo
10:15 – 11:15 a.m.	Conversation: VR for investigative journalism	Halsted	Demo
10:15 – 11:15 a.m.	CARwash: Data cleaning in Excel	Michigan/Michigan St	Hands-on
10:15 – 11:15 a.m.	R 2: Data analysis and plotting in R	Northwestern/Ohio St	Hands-on
10:15 – 11:15 a.m.	Hitchhikers guide to APIs	Indiana/Iowa	Hands-on
10:15 – 11:15 a.m.	Advanced SQL	Purdue/Wisconsin	Hands-on
10:15 – 11:15 a.m.	Conversation: Journalists of color in the newsroom (Diversity Track)	Halsted	Commons
11:30 a.m. – 12:30 p.m.	Demystifying data science	Grand Ballroom III	Panel
11:30 a.m. – 12:30 p.m.	Data journalism that breaks the filter bubble	Grand Ballroom II	Panel
11:30 a.m. – 12:30 p.m.	Foreign influence in the Trump era (Election/Politics Track)	Clark	Demo
11:30 a.m. – 12:30 p.m.	Inside the sausage factory: An inside look at government data making	Addison	Panel
11:30 a.m. – 12:30 p.m.	Injustice in the drug world: Investigating Big Pharma, rehab scams and racial bias in the courts	Grand Ballroom I	Panel
11:30 a.m. – 12:30 p.m.	R 3: Gathering and cleaning data in R	Northwestern/Ohio St	Hands-on
11:30 a.m. – 12:30 p.m.	Beyond 1M rows: Using and joining large datasets in Excel	Purdue/Wisconsin	Hands-on
11:30 a.m. – 12:30 p.m.	Finding the story: Immigration	Indiana/Iowa	Hands-on
11:30 a.m. – 12:30 p.m.	Conversation: Collaboratives and cooperatives	Halsted	Commons
11:30 a.m. – 12:30 p.m.	Stats 2: Linear regression (repeat session)	Michigan/Michigan St	Hands-on
12:45 – 1:45 p.m.	Media lawyers brown-bag	Grand Ballroom I	Special
2:15 – 4:30 p.m.	Digging into data for stories: A crash course (beginner) *pre-registered attendees only	Michigan/Michigan St & Purdue/Wisconsin	Hands-on

Time	Session	Room	Category
2:15 – 4:30 p.m.	Digging into data for stories: A crash course (beginner) *pre-registered attendees only	Michigan/Michigan St & Purdue/Wisconsin	Hands-on
2:15 – 4:15 p.m.	Super session: How emerging technologies can aid your storytelling	Grand Ballroom III	Panel
2:15 – 4:15 p.m.	Super session: Free Google tools for data analysis and visualization	Grand Ballroom I	Panel
2:15 – 4:15 p.m.	Super session: Investigating racial inequality (Diversity Track)	Grand Ballroom II	Panel
2:15 – 3:15 p.m.	Life after FactFinder	Clark	Demo
2:15 – 3:15 p.m.	2,000+ data points on 7,000+ colleges: How to make stories & sense of the College Scorecard (Sponsored by Lumina)	Addison	Panel
2:15 – 3:15 p.m.	R: Statistics	Northwestern/Ohio St	Hands-on
2:15 – 3:15 p.m.	Regular expressions for the rest of us	Indiana/Iowa	Hands-on
2:15 – 3:15 p.m.	GitHub for journalists (repeat session)	Grace	Hands-on
2:15 – 3:15 p.m.	Intro to D3 (Hosted by the Society for News Design) (Design Track)	Lincolnshire	Hands-on
3:30 – 4:30 p.m.	Game on: Covering the multibillion-dollar sports industry	Addison	Panel
3:30 – 4:30 p.m.	Tips for harnessing new IRS nonprofit data	Clark	Demo
3:30 – 4:30 p.m.	MySQL	Purdue/Wisconsin	Hands-on
3:30 – 4:30 p.m.	CAR throwback	Northwestern/Ohio St	Hands-on
3:30 – 4:30 p.m.	Intermediate D3 (Hosted by the Society for News Design) (Design Track)	Lincolnshire	Hands-on
3:30 – 4:30 p.m.	User testing: Gathering insight to make better stories (Hosted by the Society for News Design) (Design Track)	Grace	Hands-on
3:30 – 4:30 p.m.	Conversation: Meet the authors	Halsted	Commons
4:45 – 6 p.m.	Lightning Talks (Sponsored by the Knight Foundation)	Salon I & II	Panel
6:15 – 7:30 p.m.	Philip Meyer Award Reception	Salon III	Special

Saturday, March 10

Time	Session	Room	Category
8:30 – 8:50 a.m.	The IRE services you don't know about	Addison	Special
9 a.m. – 5:45 p.m.	First graphics app (intermediate) *pre-registered attendees only	Indiana/Iowa	Hands-on
9 a.m. – 12:30 p.m.	Upping your Excel game (intermediate) *pre-registered attendees only	Michigan/ Michigan St	Hands-on
9 a.m. – 12:30 p.m.	Intro to R (intermediate) *pre-registered attendees only	Purdue/Wisconsin	Hands-on
9 a.m. – 12:30 p.m.	Level up your Python game: Refactoring your code (intermediate/ advanced) *pre-registered attendees only	Grace	Hands-on

Time	Session	Room	Category
9 – 10 a.m.	Conversation: Security guidelines for your newsroom (Security Track)	Halsted	Commons
9 – 10 a.m.	Algorithmic accountability	Grand Ballroom III	Panel
9 – 10 a.m.	Quick-turn data stories	Grand Ballroom II	Panel
9 – 10 a.m.	The congressional data you don't use (Election/Politics Track)	Addison	Panel
9 – 10 a.m.	Investigating immigration	Grand Ballroom I	Panel
9 – 10 a.m.	Introducing the L.A. Times Map Maker: Make maps faster	Clark	Demo
9 – 10 a.m.	Mining data from the social web	Great America	Hands-on
9 – 10 a.m.	Social network analysis with graph databases - Neo4j	Lincolnshire	Hands-on
9 – 10 a.m.	Stats in Excel	Northwestern/ Ohio St	Hands-on
9 – 10 a.m.	R 1: Intro to R and R Studio (repeat session)	Sheffield	Hands-on
10:15 – 11:15 a.m.	Gaming the lottery: Anatomy of a global investigation	Grand Ballroom I	Panel
10:15 – 11:15 a.m.	Thinking like a data reporter on the criminal justice beat	Grand Ballroom III	Panel
10:15 – 11:15 a.m.	Data of disasters: Following the money	Addison	Panel
10:15 – 11:15 a.m.	Command line for reporters (Unix)	Lincolnshire	Hands-on
10:15 – 11:15 a.m.	Finding the story: Election administration (Election/Politics Track)	Northwestern/ Ohio St	Hands-on
10:15 – 11:15 a.m.	Creating your first satellite image	Great America	Hands-on
10:15 – 11:15 a.m.	Conversation: Civic tech and data journalism: Better together	Halsted	Commons
10:15 – 11:15 a.m.	Uncovering misconduct: How to responsibly report on sexual misconduct	Grand Ballroom II	Panel
10:15 – 11:15 a.m.	R: Statistics (repeat session)	Sheffield	Hands-on
10:15 – 11:15 a.m.	Under pressure: Real life in real time with breaking news	Clark	Demo
11:30 a.m. – 12:30 p.m.	Collaboration with scientists and academics as a reporting tool	Addison	Panel
11:30 a.m. – 12:30 p.m.	Career roundtable	Grand Ballroom III	Panel
11:30 a.m. – 12:30 p.m.	Using data and records to investigate voting (Election/Politics Track)	Grand Ballroom II	Panel
11:30 a.m. – 12:30 p.m.	DocumentCloud for investigations	Clark	Demo
11:30 a.m. – 12:30 p.m.	Animated video for storytelling	Great America	Hands-on
11:30 a.m. – 12:30 p.m.	Conversation: How the internet works	Halsted	Commons
11:30 a.m. – 12:30 p.m.	Uncovering environmental hazards faced by urban children	Grand Ballroom I	Panel
11:30 a.m. – 12:30 p.m.	Python 2: Intro to data analysis using Pandas (repeat session)	Sheffield	Hands-on
11:30 a.m. – 12:30 p.m.	R 2: Data analysis and plotting in R (repeat session)	Northwestern/ Ohio St	Hands-on
11:30 a.m. – 12:30 p.m.	Finding needles in haystacks with fuzzy matching	Lincolnshire	Hands-on
2:15 – 3:15 p.m.	Infosec reporting (Security Track)	Addison	Panel
2:15 – 3:15 p.m.	Local news innovation showcase	Grand Ballroom III	Panel
2:15 – 3:15 p.m.	Shoot us straight: Correctly using data and docs on guns	Grand Ballroom I	Panel
2:15 – 3:15 p.m.	Tracking Trump's conflicts of interest	Clark	Demo
2:15 – 3:15 p.m.	Python: Let's scrape a website	Sheffield	Hands-on

Time	Session	Room	Category
2:15 – 3:15 p.m.	JavaScript: Writing reusable chart modules in D3	Lincolnshire	Hands-on
2:15 – 3:15 p.m.	R: Collecting and analyzing Twitter data	Northwestern/ Ohio St	Hands-on
2:15 – 3:15 p.m.	Using OCR to extract data from PDFs	Great America	Hands-on
2:15 – 3:15 p.m.	The offshore world: Doing investigations from big data leaks	Grand Ballroom II	Panel
2:15 – 3:15 p.m.	Google Sheets: Scraping without coding (repeat session)	Grace	Hands-on
2:15 – 3:15 p.m.	Conversation: Cultural heritage data? Computational use, needs, and opportunities	Halsted	Commons
3:30 – 4:30 p.m.	Beyond the "nerd box:" How to explain methodology better	Grand Ballroom I	Panel
3:30 – 4:30 p.m.	I'm entitled to a spreadsheet, dang it!	Grand Ballroom II	Panel
3:30 – 4:30 p.m.	Demographics: Beyond Census	Grand Ballroom III	Panel
3:30 – 4:30 p.m.	Digital mindset for storytelling	Addison	Panel
3:30 – 4:30 p.m.	Quackbot tool for Slack	Clark	Demo
3:30 – 4:30 p.m.	Python: Intro to machine learning	Great America	Hands-on
3:30 – 4:30 p.m.	Setting up a reproducible data analysis workflow in R	Northwestern/ Ohio St	Hands-on
3:30 – 4:30 p.m.	Csvkit, a command-line tool for reporters	Lincolnshire	Hands-on
3:30 – 4:30 p.m.	Securing your devices for border crossings (Security Track)	Grace	Hands-on
3:30 – 4:30 p.m.	Conversation: Bootstrapping a small team	Halsted	Commons
3:30 – 4:30 p.m.	Python 3: Data cleaning and visualization with Pandas and Matplotlib (repeat session)	Sheffield	Hands-on
4:45 – 5:45 p.m.	Turning your documents into data	Grand Ballroom II	Panel
4:45 – 5:45 p.m.	Design for non-designers (Design Track)	Grand Ballroom III	Panel
4:45 – 5:45 p.m.	Creating a data culture that lasts	Grand Ballroom I	Panel
4:45 – 5:45 p.m.	Conversation: Journalism educators roundtable	Halsted	Commons
4:45 – 5:45 p.m.	Find model legislation	Clark	Demo
4:45 – 5:45 p.m.	Exploring data on the command line with VisiData	Great America	Hands-on
4:45 – 5:45 p.m.	R: Machine learning and data models	Northwestern/ Ohio St	Hands-on
4:45 – 5:45 p.m.	One map, no code: The power of Mapbox Studio	Grace	Hands-on
4:45 – 5:45 p.m.	Programming recipes: Accessing Amazon's IRS Form 990 public data	Lincolnshire	Hands-on
4:45 – 5:45 p.m.	R 3: Gathering and cleaning data in R (repeat session)	Sheffield	Hands-on
4:45 – 5:45 p.m.	Investigating political influence in the Trump era (Election/Politics Track)	Addison	Panel

Sunday, March 11

Time	Session	Room	Category
9 a.m. – 12:30 p.m.	OpenElections (Election/Politics Track)	Belmont	Panel
9 – 10 a.m.	Cryptoparty (Security Track)	Clark	Demo
9 – 10 a.m.	Ethics of remote sensing	Addison	Panel
9 – 10 a.m.	No passport needed: How to find relevant international data	Grand Ballroom I	Panel
9 – 10 a.m.	JavaScript: Reactive frameworks without fear	Great America	Hands-on
9 – 10 a.m.	Serverless applications for the newsroom	Lincolnshire	Hands-on
9 – 10 a.m.	Excel 3: Pivot tables (repeat session)	Northwestern/Ohio St	Hands-on
9 – 10 a.m.	Python: Let's scrape a website (repeat session)	Indiana/Iowa	Hands-on
10:15 – 11:15 a.m.	Install party	Clark	Demo
10:15 – 11:15 a.m.	Finding and using climate change data	Addison	Panel
10:15 – 11:15 a.m.	Python: Writing tests for your code	Great America	Hands-on
10:15 – 11:15 a.m.	JavaScript: Build a Leaflet.js map	Indiana/Iowa	Hands-on
10:15 – 11:15 a.m.	Cleaning in SQL	Northwestern/Ohio St	Hands-on
10:15 – 11:15 a.m.	Finding your target in the money laundering capital of the world	Lincolnshire	Hands-on
10:15 – 11:15 a.m.	So, you want to cover health care? Here's how. Follow the people, the money, the data.	Grand Ballroom I	Panel
11:30 a.m. – 12:30 p.m.	How to avoid rookie mistakes	Grand Ballroom I	Panel
11:30 a.m. – 12:30 p.m.	Archiving data journalism	Addison	Panel
11:30 a.m. – 12:30 p.m.	Data rescue party	Clark	Demo
11:30 a.m. – 12:30 p.m.	Excel for business and economics	Lincolnshire	Hands-on
11:30 a.m. – 12:30 p.m.	Importing data into Excel	Indiana/Iowa	Hands-on
11:30 a.m. – 12:30 p.m.	Stats 3: Logistic regression (in R)	Northwestern/Ohio St	Hands-on
11:30 a.m. – 12:30 p.m.	Geocoding addresses	Great America	Hands-on