



# Conference schedule

March 5-8, 2020 New Orleans Marriott 555 Canal Street, New Orleans, LA 70130

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

On Twitter: #NICAR20

This schedule was updated on January 30, 2020, with 213 of 235 sessions confirmed, but it could change! For the most current information, download the Guidebook app (<u>quidebook.com</u>) and search "2020 NICAR Conference."

#### 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	Preservation Foyer, 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.	Nello 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.	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 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.	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.	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 cm. 12.30 pm.         Datasether Explore and publish your datasets         Studio 3, and floor           11.30 cm. 12.30 pm.         Moking graphics with R         Studio 3, and floor           11.30 cm. 12.30 pm.         Data cleaning with OpenRefine 2. More advanced uses         Studio 3, and floor           12.45 - 2 pm.         Data cleaning with OpenRefine 2. More advanced uses         Studio 3, and floor           12.45 - 2 pm.         Intro to R (pre-registration required)         Studio 3, and floor           216 - 5.45 pm.         Intro Observable notebook. Prototyping with polish (pre-registration required)         Studio 3, and floor           216 - 5.45 pm.         Moster class Statistics for journalists         Galaries         Studio 3, and floor           216 - 5.45 pm.         Free and eavy data vix         Studio 3, and floor           216 - 5.35 pm.         Excels Advanced pivot tables         Studio 6, and floor           216 - 3.35 pm.         Python 1: The fundamentals         Studio 3, and floor           216 - 3.35 pm.         Python 1: The fundamentals         Studio 3, and floor           216 - 3.35 pm.         Dython 1: The fundamentals         Studio 3, and floor           216 - 3.35 pm.         Campoing finance questions people ask	Time	Session	Room
11.30 a.m 12.30 p.m. Dato cleaning with OpenBefine 2 More advanced uses Studia 10, 2nd floor 12.45 - 2 p.m. Journalists of color in the newsroom meetup Carondelet, 3rd floor 12.45 - 2 p.m. Intro ta R (pre-registration required) Studia 2, 2nd floor 12.5 - 3.45 p.m. Introduction to web development (pre-registration required) Studia 2, 2nd floor 12.5 - 5.45 p.m. Introduction to web development (pre-registration required) Studia 2, 2nd floor 12.5 - 5.45 p.m. First Observable notabook Drototyping with polish (pre-registration required) Studia 3, 2nd floor 12.5 - 5.45 p.m. Master class Statistics for journalists Galerie 2, 2nd floor 12.5 - 315 p.m. Free and easy data viz Galerie 2, 2nd floor 12.5 - 315 p.m. Free and easy data viz Galerie 2, 2nd floor 12.5 - 315 p.m. Free and easy data viz Galerie 2, 2nd floor 12.5 - 315 p.m. Free and easy data viz Galerie 2, 2nd floor 12.5 - 315 p.m. Free and easy data viz Galerie 2, 2nd floor 12.5 - 315 p.m. Python 1: The fundamentals Studia 3, 3nd floor 12.5 - 315 p.m. Python 1: The fundamentals Studia 3, 3nd floor 12.5 - 315 p.m. Python 1: The fundamentals Studia 3, 3nd floor 12.5 - 315 p.m. Compagin finance questions people ask plus yours! Galerie 2, 2nd floor 12.5 - 315 p.m. Weer in CAR Local innovation Galerie 3, 2nd floor 12.5 - 315 p.m. Mentoring for diversity and inclusion Business people ask plus yours! Galerie 3, 2nd floor 12.5 - 315 p.m. Mentoring for diversity and inclusion Mastering Google Sheets Web scraping, running scripts and other tricks (Thursdow) Studia 3, 2nd floor 12.5 - 315 p.m. Mastering Google Sheets Web scraping, running scripts and other tricks (Thursdow) Studia 0, 2nd floor 13.0 - 4.30 p.m. Python 2: Intro ta data analysis and plotting 13.0 - 4.30 p.m. Python 2: Intro ta data analysis using Pandas Studia 6, 2nd floor 13.0 - 4.30 p.m. Python 2: Intro ta data analysis using Pandas Studia 6, 2nd floor 13.0 - 4.30 p.m. Python 2: Intro ta data analysis using Pandas Studia 6, 2nd floor 13.0 - 4.30 p.m. Python 2: Intro ta data analysis using Pandas St	11:30 a.m 12:30 p.m.	Datasette: Explore and publish your datasets	Studio 6, 2nd floor
11.50 a.m 12.50 p.m. Journalists of color in the newsroom meetup Carondelet, 3rd floor 12.45 - 2 p.m. Journalists of color in the newsroom meetup Studio 2, 2nd floor 12.5 - 5.45 p.m. Introduction to web development (pre-registration required) Studio 2, 2nd floor 12.5 - 5.45 p.m. First Observable notabook Prototyping with polish (pre-registration required) Studio 3, 2nd floor 12.5 - 5.45 p.m. First Observable notabook Prototyping with polish (pre-registration required) Studio 3, 2nd floor 12.5 - 5.45 p.m. Master class Statistics for journalists Galerie 2, 2nd floor 12.5 - 5.45 p.m. Free and easy data viz Galerie 2, 2nd floor 12.5 - 5.45 p.m. Free and easy data viz Galerie 2, 2nd floor 12.5 - 5.45 p.m. Prototyping with polish (pre-registration required) Studio 8, 2nd floor 12.5 - 5.45 p.m. Python in The fundamentals Studio 8, 2nd floor 12.5 - 5.45 p.m. Python in The fundamentals Studio 8, 2nd floor 12.5 - 5.45 p.m. Python in The fundamentals Studio 8, 2nd floor 12.5 - 5.45 p.m. Python in The fundamentals Studio 8, 2nd floor 12.5 - 5.45 p.m. Using open crime and policing data Galerie 4, 2nd floor 12.5 - 5.45 p.m. Using open crime and policing data Galerie 4, 2nd floor 12.5 - 5.45 p.m. Using open crime and policing data Galerie 4, 2nd floor 12.5 - 5.45 p.m. Mentoring for diversity and inclusion Biasonet, 3rd floor 12.5 - 5.45 p.m. Mentoring for diversity and inclusion Biasonet, 3rd floor 12.5 - 5.45 p.m. Mastering Google Sheets. Web scraping, running scripts and other tricks (Thursdoy) Studio 10, 2nd floor 13.0 - 4.30 p.m. Python 2: herb to data analysis using Pendas Studio 8, 2nd floor 13.0 - 4.30 p.m. Python 2: herb to data analysis using Pendas Studio 8, 2nd floor 13.0 - 4.30 p.m. Python 2: herb to data analysis using Pendas Studio 8, 2nd floor 13.0 - 4.30 p.m. Python 2: herb to data analysis using Pendas Studio 8, 2nd floor 13.0 - 4.30 p.m. Python 2: herb to data analysis using Pendas Studio 8, 2nd floor 13.0 - 4.30 p.m. Python 2: herb to data analysis using Pendas Studio 8, 2nd floor 13.0 - 4.30 p.m. Python	11:30 a.m 12:30 p.m.	Navigating NICAR as a TV journalist	Galerie 4, 2nd floor
12.45 - 2 p.m.         Journalists of color in the newsroom meetup         Corondelet, 3rd floor           285 - 5.45 p.m.         Intro to R (pre-registration required)         Studio 2, 2nd floor           285 - 5.45 p.m.         Introduction to web development (pre-registration required)         Studio 9, 2nd floor           285 - 5.45 p.m.         First Observable notabook Prototyping with polish (pre-registration required)         Studio 3, 2nd floor           285 - 5.45 p.m.         Free and easy data viz         Golerie 5, 2nd floor           285 - 385 p.m.         Free and easy data viz         Golerie 5, 2nd floor           285 - 385 p.m.         Excels Advanced pivot tables         Studio 8, 2nd floor           285 - 385 p.m.         Python 1: The fundamentals         Studio 6, 2nd floor           285 - 385 p.m.         Python 1: The fundamentals         Studio 6, 2nd floor           285 - 385 p.m.         Finding the story: Using DNS search for investigative journalism         Studio 6, 2nd floor           285 - 385 p.m.         Campeign finance questions people ask plus yours!         Golerie 4, 2nd floor           285 - 385 p.m.         Using spear crime and policing data         Golerie 3, 2nd floor           285 - 385 p.m.         Wear in CAR: Local innovation         Rodaio, 3rd floor           285 - 385 p.m.         Mentarring Google Sheets: Web scraping, running scripts and other tricks (Thursday)	11:30 a.m 12:30 p.m.	Making graphics with R	Studio 7, 2nd floor
215 - 5.45 p.m. Intro to R (pre-registration required) 215 - 5.45 p.m. Introduction to web development (pre-registration required) 215 - 5.45 p.m. First Observable natebook: Prototyping with polish (pre-registration required) 215 - 5.45 p.m. Master class. Statistics for journalists 315 p.m. Free and easy data viz 215 - 5.45 p.m. Free and easy data viz 215 - 5.45 p.m. Free and easy data viz 215 - 5.45 p.m. Free and easy data viz 215 p.m. Free and easy data viz 215 p.m. Free and easy data viz 215 p.m. R 1 Intro to R and RStudio 215 p.m. R 1 Intro to R and RStudio 215 p.m. Python 1: The fundamentals 215 p.m. Python 1: The fundamentals 215 p.m. Pinding the story: Using DNS search for investigative journalism 215 p.m. Campaign finance questions people ask plus yours! Galerie 4. 2nd floor 215 p.m. Using open crime and policing data 215 p.m. Veer in CAR: Local innovation 215 p.m. Veer in CAR: Local innovation 215 p.m. Finding and researching international connection 215 p.m. Finding and researching international connection 215 p.m. Mastering Google Sheets: Web scraping, running scripts and other tricks (Thursday) 215 p.m. Als p.m. Mastering Google Sheets: Web scraping, running scripts and other tricks (Thursday) 216 p.m. Python 2: Intro to data analysis using Pandas 217 p.m. Python 2: Intro to data analysis using Pandas 218 p.m. Unclooked: Flight tracking for investigating people, planes and patterns 218 p.m. Unclooked: Flight tracking for investigating people, planes and patterns 219 p.m. Python 2: Intro to data analysis using Pandas 210 p.m. Python 2: Intro to data analysis using Pandas 210 p.m. Unclooked: Flight tracking for investigating people, planes and patterns 210 p.m. Unclooked: Flight tracking for investigating people, planes and patterns 210 p.m. Tracking dark money in the 2020 elections 210 p.m. DataKit. Workflow automation for the newsraam and classroom 211 p.m. Ademo of the Big Local News plotform 212 p.m. Python 3: Data cleaning and visualization 2130 p.m. International year in CAR 2130 p.m. Python	11:30 a.m 12:30 p.m.	Data cleaning with OpenRefine 2: More advanced uses	Studio 10, 2nd floor
215 - 5.45 p.m.   Introduction to web development (pre-registration required)   Studio 0, 2nd floor 215 - 5.45 p.m.   First Observable notebooks Prototyping with polish (pre-registration required)   Studio 3, 2nd floor 215 - 5.45 p.m.   Master class Statistics for journalists   Galerie 2, 2nd floor 215 - 315 p.m.   Free and easy data viz   Galerie 2, 2nd floor 215 - 315 p.m.   Excel: Advanced prive tables   Studio 8, 2nd floor 215 - 315 p.m.   R Is Intro to R and RStudio   Studio 2, 2nd floor 215 - 315 p.m.   R Is Intro to R and RStudio   Studio 2, 2nd floor 215 - 315 p.m.   Python 1: The fundamentals   Studio 4, 2nd floor 215 - 315 p.m.   Finding the story; Using DNS search for investigative journalism   Studio 4, 2nd floor 215 - 315 p.m.   Campaign finance questions people ask plus yours!   Galerie 3, 2nd floor 215 - 315 p.m.   Using open crime and policing data   Galerie 3, 2nd floor 215 - 315 p.m.   Veer in CAR: Local innovation   Acadia, 3rd floor 215 - 315 p.m.   Veer in CAR: Local innovation   Acadia, 3rd floor 215 - 315 p.m.   Mentoring for diversity and inclusion   Bissonet, 3rd floor 215 - 315 p.m.   Mentoring for diversity and inclusion   Bissonet, 3rd floor 215 - 315 p.m.   Mastering Google Sheets: Web scraping, running scripts and other tricks (Thursdoy)   Studio 10, 2nd floor 330 - 430 p.m.   R 2: Deta analysis using Planda   Studio 3, 2nd floor 330 - 430 p.m.   Python 2: Intro to data analysis using Planda   Studio 6, 2nd floor 330 - 430 p.m.   Python 2: Intro to data analysis using Planda   Studio 6, 2nd floor 340 - 430 p.m.   Tracking dark money in the 2020 elections   Bissonet, 3rd floor 340 - 430 p.m.   Tracking dark money in the 2020 elections   Bissonet, 3rd floor 340 - 430 p.m.   Investigating bias: From housing to policing   Acadia, 3rd floor 340 - 430 p.m.   Investigating bias: From housing to policing   Acadia, 3rd floor 340 - 430 p.m.   R 3: Gathering and cleaning data   Acadia p.m.   Studio 7, 2nd floor 340 - 430 p.m.   Ademo of the Big Local News platform   Galerie 3, 2nd floor 3	12:45 - 2 p.m.	Journalists of color in the newsroom meetup	Carondelet, 3rd floor
215 - 5:45 p.m.	2:15 - 5:45 p.m.	Intro to R (pre-registration required)	Studio 2, 2nd floor
215 - 545 p.m. Master class Statistics for journalists Galerie 5, 2nd floor 215 - 345 p.m. Free and easy data viz Galerie 2, 2nd floor 215 - 345 p.m. Excel: Advanced pivot tables Studio 3, 2nd floor 215 - 345 p.m. R1: Intro to R and RStudio 215 - 345 p.m. Python 1: The fundamentals Studio 7, 2nd floor 215 - 345 p.m. Python 1: The fundamentals Studio 6, 2nd floor 215 - 345 p.m. Python 1: The fundamentals Studio 1, 2nd floor 215 - 345 p.m. Campaign finance questions people ask plus yours! Galerie 4, 2nd floor 215 - 345 p.m. Using open crime and policing data Galerie 3, 2nd floor 215 - 345 p.m. Veer in CAR: Local innovation Acadio, 3rd floor 215 - 345 p.m. Mentoring for diversity and inclusion Bissonet, 3rd floor 215 - 345 p.m. Mentoring for diversity and inclusion Bissonet, 3rd floor 215 - 345 p.m. Finding and researching international connection Galerie 6, 2nd floor 215 - 345 p.m. Mastering Google Sheets. Web scraping, running scripts and other tricks (Thursday) Studio 10, 2nd floor 215 - 345 p.m. Mastering Google Sheets. Web scraping, running scripts and other tricks (Thursday) Studio 10, 2nd floor 215 - 345 p.m. Python 2: Intro to data analysis using Pandas Studio 7, 2nd floor 230 - 430 p.m. Python 2: Intro to data analysis using Pandas Studio 6, 2nd floor 230 - 430 p.m. Python 2: Intro to data analysis using Pandas Studio 6, 2nd floor 230 - 430 p.m. Python 2: Intro to data analysis using Pandas Studio 6, 2nd floor 230 - 430 p.m. Tracking dark money in the 2020 elections 230 - 430 p.m. Tracking dark money in the 2020 elections 230 - 430 p.m. Datakit Workflow automation for the newsroom and classroom Galerie 2, 2nd floor 230 - 430 p.m. Datakit Workflow automation for the newsroom and classroom Galerie 4, 2nd floor 230 - 430 p.m. Python 3: Data cleaning and visualization Studio 7, 2nd floor 230 - 430 p.m. Python 3: Data cleaning and visualization Studio 6, 2nd floor 230 - 435 p.m. Python 3: Data cleaning and visualization Studio 6, 2nd floor 2445 - 545 p.m. Python 3: Data cleaning and visualization Galerie 3,	2:15 - 5:45 p.m.	Introduction to web development (pre-registration required)	Studio 9, 2nd floor
215 - 315 p.m. Free and easy data viz Studio 8, 2nd floor 215 - 315 p.m. Excel: Advanced pivot tables Studio 8, 2nd floor 215 - 315 p.m. R to find a RStudio Studio 7, 2nd floor 215 - 315 p.m. Python 1: The fundamentals Studio 6, 2nd floor 215 - 315 p.m. Python 1: The fundamentals Studio 6, 2nd floor 215 - 315 p.m. Finding the story: Using DNS search for investigative journalism Studio 1, 2nd floor 215 - 315 p.m. Campaign finance questions people ask plus yours! Galerie 4, 2nd floor 215 - 315 p.m. Using open crime and policing data Galerie 3, 2nd floor 215 - 315 p.m. Veor in CAR: Local innovation Acadia, 3rd floor 215 - 315 p.m. Whentoring for diversity and inclusion Bissonet, 3rd floor 215 - 315 p.m. Finding and researching international connection Galerie 6, 2nd floor 215 - 315 p.m. Finding and researching international connection Galerie 6, 2nd floor 215 - 545 p.m. Mastering Google Sheets: Web scraping, running scripts and other tricks (Thursday) Studio 10, 2nd floor 330 - 4430 p.m. Python 2: Intro to data analysis using Pandas Studio 8, 2nd floor 2330 - 4430 p.m. Python 2: Intro to data analysis using Pandas Studio 8, 2nd floor 2330 - 4430 p.m. Drockacket. Flight tracking for investigating people, planes and potterns Galerie 2, 2nd floor 2330 - 4430 p.m. Unclooked: Flight tracking for investigating people, planes and potterns Galerie 2, 2nd floor 2330 - 4430 p.m. Investigating bias: From housing to policing Acadia, 3rd floor 2330 - 4430 p.m. Investigating bias: From housing to policing Acadia, 3rd floor 2330 - 4430 p.m. Investigating bias: From housing to policing Galerie 4, 2nd floor 2445 - 545 p.m. R 3: Gathering and cleaning data Studio 7, 2nd floor 245 - 545 p.m. Python 3: Data cleaning and visualization Studio 6, 2nd floor 2465 - 545 p.m. Python 3: Data cleaning and visualization Galerie 4, 2nd floor 245 - 545 p.m. Countdown to the big count. Getting ready for Census 2020 Acadia, 3rd floor 2445 - 545 p.m. Countdown to the big count. Getting ready for Census 2020 Acadia, 3rd floor 2445 - 545 p.m. Cou	2:15 - 5:45 p.m.	First Observable notebook: Prototyping with polish (pre-registration required)	Studio 3, 2nd floor
215 - 315 p.m. Python 1: The fundamentals Studio 8, 2nd floor 215 - 315 p.m. Python 1: The fundamentals Studio 6, 2nd floor 215 - 315 p.m. Python 1: The fundamentals Studio 6, 2nd floor 215 - 315 p.m. Pinding the story: Using DNS search for investigative journalism Studio 1, 2nd floor 215 - 315 p.m. Campaign finance questions people ask plus yours! Galerie 4, 2nd floor 215 - 315 p.m. Using open crime and policing data Galerie 5, 2nd floor 215 - 315 p.m. Vear in CAR: Local innovation Acadia, 3rd floor 215 - 315 p.m. Whentoring for diversity and inclusion Bissonet, 3rd floor 215 - 315 p.m. Finding and researching international connection Galerie 6, 2nd floor 215 - 315 p.m. Finding and researching international connection Galerie 6, 2nd floor 215 - 345 p.m. Mastering Google Sheets: Web scraping, running scripts and other tricks (Thursday) Studio 10, 2nd floor 230 - 4.30 p.m. R 2: Data analysis and plotting Studio 7, 2nd floor 230 - 4.30 p.m. Python 2: Intro to data analysis using Pandas Studio 6, 2nd floor 230 - 4.30 p.m. Python 2: Intro to data analysis using Pandas Studio 8, 2nd floor 230 - 4.30 p.m. Unclooked: Flight tracking for investigating people, planes and patterns Galerie 2, 2nd floor 230 - 4.30 p.m. Investigating bias: From housing to policing Acadia, 3rd floor 230 - 4.30 p.m. DataKit: Workflow automation for the newsroom and classroom Galerie 3, 2nd floor 230 - 4.30 p.m. Investigating bias: From housing to policing Acadia, 3rd floor 230 - 4.30 p.m. Python 3: Data Cleaning and visualization Studio 7, 2nd floor 24.45 - 5.45 p.m. R 3: Gathering and cleaning data Studio 7, 2nd floor 24.45 - 5.45 p.m. Python 3: Data cleaning and visualization Studio 6, 2nd floor 24.45 - 5.45 p.m. Python 3: Data cleaning and visualization Galerie 3. 2nd floor 24.45 - 5.45 p.m. Countdown to the big count. Setting reform Idea to publication Galerie 3, 2nd floor 24.45 - 5.45 p.m. Countdown to the big count Setting ready for Census 2020 Acadia, 3rd floor 24.45 - 5.45 p.m. Countdown to the big count Setting ready for Census 2	2:15 - 5:45 p.m.	Master class: Statistics for journalists	Galerie 5, 2nd floor
245 - 345 p.m. Python 1: The fundamentals Studio 7, 2nd floor 245 - 345 p.m. Python 1: The fundamentals Studio 6, 2nd floor 245 - 345 p.m. Finding the story: Using DNS search for investigative journalism Studio 1, 2nd floor 245 - 345 p.m. Campaign finance questions people ask plus yours! Galerie 4, 2nd floor 245 - 345 p.m. Using open crime and policing data Galerie 3, 2nd floor 245 - 345 p.m. Year in CAR: Local innovation Acadia, 3rd floor 245 - 345 p.m. Mentoring for diversity and inclusion Bissonet, 3rd floor 245 - 345 p.m. Finding and researching international connection Galerie 6, 2nd floor 245 - 345 p.m. Mastering Google Sheets: Web scraping, running scripts and other tricks (Thursday) Studio 10, 2nd floor 330 - 430 p.m. R 2: Data analysis and plotting Studio 7, 2nd floor 2450 p.m. Python 2: Intro to data analysis using Pandas Studio 6, 2nd floor 2450 p.m. PDF 1: How to extract text and tables from PDFs like a boss Studio 6, 2nd floor 2450 p.m. Uncloaked: Flight tracking for investigating people, planes and patterns Galerie 2, 2nd floor 2430 p.m. Investigating bias: From housing to policing Acadia, 3rd floor 2430 p.m. Investigating bias: From housing to policing Acadia, 3rd floor 330 - 430 p.m. DataKit: Workflow automation for the newsroom and classroom Galerie 3, 2nd floor 330 - 430 p.m. DataKit: Workflow automation for the newsroom and classroom Galerie 3, 2nd floor 340 p.m. International year in CAR Galerie 6, 2nd floor 3445 - 545 p.m. Python 3: Data cleaning and visualization Studio 6, 2nd floor 340 p.m. Finding the story: Compaign finance 350 p.m. Finding the story: Compaign finance 350 p.m. Finding the story: Compaign finance 350 p.m. Encryption and journalism: From idea to publication Galerie 3, 2nd floor 3445 - 545 p.m. Countdown to the big count: Getting ready for Census 2020 Acadia, 3rd floor 3445 - 545 p.m. Advanced data journalism: From idea to publication Galerie 3, 2nd floor 3445 - 545 p.m. Advanced data journalism: From idea to publication Galerie 2, 2nd floor 3445 - 545 p.m. Covering ho	2:15 - 3:15 p.m.	Free and easy data viz	Galerie 2, 2nd floor
215 - 315 p.m. Python 1: The fundamentals Studio 6, 2nd filoor 215 - 315 p.m. Finding the story: Using DNS search for investigative journalism Studio 1, 2nd floor 215 - 315 p.m. Campoign finance questions people ask plus yours! Galerie 4, 2nd floor 215 - 315 p.m. Using open crime and policing data Galerie 3, 2nd floor 215 - 315 p.m. Vear in CAR: Local innovation Acadia, 3rd floor 215 - 315 p.m. Mentoring for diversity and inclusion Bissonet, 3rd floor 215 - 315 p.m. Mentoring for diversity and inclusion Galerie 4, 2nd floor 215 - 315 p.m. Mentoring for diversity and inclusion Galerie 4, 2nd floor 215 - 315 p.m. Mentoring Google Sheets: Web scraping, running scripts and other tricks (Thursday) Studio 10, 2nd floor 215 - 5.45 p.m. Mastering Google Sheets: Web scraping, running scripts and other tricks (Thursday) Studio 10, 2nd floor 216 - 5.43 p.m. Python 2: Intro to data analysis using Pandas Studio 6, 2nd floor 217 - 310 p.m. Python 2: Intro to data analysis using Pandas Studio 6, 2nd floor 218 - 343 p.m. Uncloaked: Flight tracking for investigating people, planes and patterns Galerie 2, and floor 219 - 443 p.m. Tracking dark money in the 2020 elections Bissonet, 3rd floor 219 - 443 p.m. DataKit: Workflow automation for the newsroom and classroom Galerie 3, 2nd floor 219 - 443 p.m. DataKit: Workflow automation for the newsroom and classroom Galerie 4, 2nd floor 210 - 443 p.m. R 3. Gathering and cleaning data 210 - 443 p.m. Python 3: Data cleaning and visualization 211 - 5.43 p.m. Python 3: Data cleaning and visualization 212 - 5.43 p.m. Python 3: Data cleaning and visualization 213 - 5.43 p.m. Finding the story: Campoign finance 2145 - 5.45 p.m. Countdown to the big count. Getting ready for Census 2020 214 - 5.45 p.m. Countdown to the big count. Getting ready for Census 2020 214 - 5.45 p.m. Advanced data journalism: From idea to publication 2146 - 5.45 p.m. Countdown to the big count. Getting ready for Census 2020 225 - 5.45 p.m. Countdown to the big count. Getting ready for Census 2020 236 - 5.45 p.m. Coun	2:15 - 3:15 p.m.	Excel: Advanced pivot tables	Studio 8, 2nd floor
215 - 315 p.m. Finding the story: Using DNS search for investigative journalism Studio 1, 2nd floor 215 - 315 p.m. Campaign finance questions people ask plus yours! Galerie 4, 2nd floor 215 - 315 p.m. Using open crime and policing data Galerie 3, 2nd floor 215 - 315 p.m. Year in CAR: Local innovation Acadia, 3rd floor 215 - 315 p.m. Mentoring for diversity and inclusion Bissonet, 3rd floor 215 - 315 p.m. Finding and researching international connection Galerie 6, 2nd floor 215 - 345 p.m. Mastering Google Sheets: Web scraping, running scripts and other tricks (Thursday) Studio 10, 2nd floor 215 - 545 p.m. Mastering Google Sheets: Web scraping, running scripts and other tricks (Thursday) Studio 2, 2nd floor 230 - 430 p.m. Python 2: Intro to data analysis using Pandas Studio 6, 2nd floor 230 - 430 p.m. Python 2: Intro to data analysis using Pandas Studio 8, 2nd floor 230 - 430 p.m. PDF 1: How to extract text and tables from PDFs like a boss Studio 8, 2nd floor 230 - 430 p.m. Uncloaked: Flight tracking for investigating people, planes and patterns Galerie 2, 2nd floor 230 - 430 p.m. Investigating bias: From housing to policing Acadia, 3rd floor 230 - 430 p.m. DataKit. Workflow automation for the newsroom and classroom Galerie 3. 2nd floor 230 - 430 p.m. International year in CAR Galerie 4, 2nd floor 230 - 430 p.m. International year in CAR 230 - 430 p.m. R 3: Gathering and cleaning and visualization 230 - 430 p.m. Python 3: Data cleaning and visualization 230 - 430 p.m. Python 3: Data cleaning and visualization 230 - 430 p.m. Python 3: Data cleaning and visualization 230 - 430 p.m. Finding the story: Campaign finance 230 - 430 p.m. Python 3: Data cleaning and visualization 230 - 430 p.m. Finding the story: Campaign finance 230 - 430 p.m. Finding the story: Campaign finance 230 - 430 p.m. Countdown to the big count: Getting ready for Census 2020 230 - 430 p.m. Encryption and journalism: From Idea to publication 230 - 430 p.m. Countdown to the big count: Getting ready for Census 2020 230 - 430 p.m. Countdown to t	2:15 - 3:15 p.m.	R 1: Intro to R and RStudio	Studio 7, 2nd floor
285 - 385 p.m. Using open crime and policing data Galerie 4, 2nd floor 285 - 385 p.m. Veer in CAR: Local innovation Acadia, 3rd floor 285 - 385 p.m. Year in CAR: Local innovation Acadia, 3rd floor 285 - 385 p.m. Mentoring for diversity and inclusion Bissonet, 3rd floor 285 - 385 p.m. Finding and researching international connection Galerie 6, 2nd floor 285 - 385 p.m. Mastering Google Sheets: Web scraping, running scripts and other tricks (Thursday) Studio 10, 2nd floor 285 - 5845 p.m. Mastering Google Sheets: Web scraping, running scripts and other tricks (Thursday) Studio 10, 2nd floor 283 o - 4830 p.m. R 2: Data analysis and plotting Studio 2, 2nd floor 283 o - 4830 p.m. Python 2: Intro to data analysis using Pandas Studio 6, 2nd floor 283 o - 4830 p.m. PDF 1: How to extract text and tables from PDFs like a boss Studio 8, 2nd floor 283 o - 4830 p.m. Uncloaked: Flight tracking for investigating people, planes and patterns Galerie 2, 2nd floor 283 o - 4830 p.m. Tracking dark money in the 2020 elections Bissonet, 3rd floor 283 o - 4830 p.m. Investigating bias: From housing to policing Acadia, 3rd floor 283 o - 4830 p.m. DataKit: Workflow automation for the newsroom and classroom Galerie 3, 2nd floor 283 o - 4830 p.m. Ademo of the Big Local News platform Galerie 4, 2nd floor 283 o - 4830 p.m. International year in CAR Galerie 6, 2nd floor 283 o - 4830 p.m. Scrollytelling* with Mapbox (repeat) Studio 6, 2nd floor 284 o - 5845 p.m. Python 3: Data cleaning and visualization Studio 6, 2nd floor 284 o - 5845 p.m. Finding the story: Campaign finance 284 o - 5845 p.m. Countdown to the big count: Getting ready for Census 2020 Acadia, 3rd floor 284 o - 5845 p.m. Encryption and journalism: From idea to publication Galerie 3, 2nd floor 284 o - 5845 p.m. Advanced data journalism through a browser Galerie 6, 2nd floor	2:15 - 3:15 p.m.	Python 1: The fundamentals	Studio 6, 2nd floor
235 - 335 p.m. Using open crime and policing data Galerie 3, 2nd floor 235 - 335 p.m. Year in CAR: Local innovation Acadia, 3rd floor 235 - 335 p.m. Mentoring for diversity and inclusion Bissonet, 3rd floor 235 - 335 p.m. Finding and researching international connection Galerie 6, 2nd floor 235 - 345 p.m. Mastering Google Sheets: Web scraping, running scripts and other tricks (Thursday) Studio 10, 2nd floor 236 - 4430 p.m. R 2: Data analysis and plotting Studio 7, 2nd floor 237 - 4430 p.m. Python 2: Intro to data analysis using Pandas Studio 6, 2nd floor 237 - 4430 p.m. PDF 1: How to extract text and tables from PDFs like a boss Studio 8, 2nd floor 237 - 4430 p.m. Uncloaked: Flight tracking for investigating people, planes and patterns Galerie 2, 2nd floor 237 - 4430 p.m. Tracking dark money in the 2020 elections Bissonet, 3rd floor 237 - 4430 p.m. Investigating bias: From housing to policing Acadia, 3rd floor 237 - 4430 p.m. DataKit: Workflow automation for the newsroom and classroom Galerie 3, 2nd floor 237 - 4430 p.m. A demo of the Big Local News platform Galerie 4. 2nd floor 237 - 4430 p.m. International year in CAR Galerie 6, 2nd floor 237 - 4430 p.m. Scrollytelling* with Mapbox (repeat) Studio 1, 2nd floor 247 - 545 p.m. Python 3: Data cleaning and visualization Studio 6, 2nd floor 247 - 545 p.m. Python 3: Data cleaning and visualization Studio 6, 2nd floor 247 - 545 p.m. Finding the story: Campaign finance 247 - 545 p.m. Countdown to the big count: Getting ready for Census 2020 Acadia, 3rd floor 247 - 545 p.m. Advanced data journalism: From idea to publication Galerie 6, 2nd floor	2:15 - 3:15 p.m.	Finding the story: Using DNS search for investigative journalism	Studio 1, 2nd floor
235 - 335 p.m. Year in CAR: Local innovation Acadia, 3rd floor 215 - 335 p.m. Mentoring for diversity and inclusion Bissonet, 3rd floor 215 - 335 p.m. Finding and researching international connection Galerie 6, 2nd floor 215 - 5365 p.m. Mastering Google Sheets: Web scraping, running scripts and other tricks (Thursday) Studio 10, 2nd floor 2330 - 4:30 p.m. R 2: Data analysis and plotting Studio 7, 2nd floor 2330 - 4:30 p.m. Python 2: Intro to data analysis using Pandas Studio 6, 2nd floor 2330 - 4:30 p.m. PDF 1: How to extract text and tables from PDFs like a boss Studio 8, 2nd floor 2330 - 4:30 p.m. Uncloaked: Flight tracking for investigating people, planes and patterns Galerie 2, 2nd floor 2330 - 4:30 p.m. Investigating bias: From housing to policing Acadia, 3rd floor 2330 - 4:30 p.m. DataKit: Workflow automation for the newsroom and classroom Galerie 3, 2nd floor 2330 - 4:30 p.m. Ademo of the Big Local News platform Galerie 4, 2nd floor 2330 - 4:30 p.m. International year in CAR Galerie 6, 2nd floor 2330 - 4:30 p.m. Studio 1, 2nd floor 2330 - 4:30 p.m. Pscrollytelling" with Mapbox (repeat) Studio 1, 2nd floor 2340 - 25:45 p.m. R 3: Gathering and cleaning data Studio 7, 2nd floor 24:45 - 5:45 p.m. Python 3: Data cleaning and visualization Studio 6, 2nd floor 24:45 - 5:45 p.m. Finding the story: Campaign finance 25:45 p.m. Encryption and journalism: From idea to publication Galerie 3, 2nd floor 24:45 - 5:45 p.m. Advanced data journalism: From idea to publication Galerie 3, 2nd floor 24:45 - 5:45 p.m. Advanced data journalism through a browser 25:45 p.m. Covering housing from A-Z: Localizing affordable housing stories and data	2:15 - 3:15 p.m.	Campaign finance questions people ask plus yours!	Galerie 4, 2nd floor
235 - 335 p.m. Mentoring for diversity and inclusion Bissonet, 3rd floor 235 - 335 p.m. Finding and researching international connection Galerie 6, 2nd floor 235 - 5.45 p.m. Mastering Google Sheets: Web scraping, running scripts and other tricks (Thursday) Studio 10, 2nd floor 230 - 4:30 p.m. R 2: Data analysis and plotting Studio 7, 2nd floor 230 - 4:30 p.m. Python 2: Intro to data analysis using Pandas Studio 6, 2nd floor 230 - 4:30 p.m. PDF 1: How to extract text and tables from PDFs like a boss Studio 8, 2nd floor 230 - 4:30 p.m. Uncloaked: Flight tracking for investigating people, planes and patterns Galerie 2, 2nd floor 230 - 4:30 p.m. Tracking dark money in the 2020 elections Bissonet, 3rd floor 230 - 4:30 p.m. Investigating bias: From housing to policing Acadia, 3rd floor 230 - 4:30 p.m. DataKit: Workflow automation for the newsroom and classroom Galerie 3, 2nd floor 230 - 4:30 p.m. A demo of the Big Local News platform Galerie 4, 2nd floor 230 - 4:30 p.m. International year in CAR Galerie 6, 2nd floor 230 - 4:30 p.m. 'Scrollytelling' with Mapbox (repeat) Studio 1, 2nd floor 240 - 4:45 - 5:45 p.m. R 3: Gathering and cleaning data Studio 7, 2nd floor 241 - 5:45 p.m. Finding the story: Campaign finance Studio 8, 2nd floor 242 - 5:45 p.m. Countdown to the big count: Getting ready for Census 2020 Acadia, 3rd floor 244 - 5:45 p.m. Encryption and journalism: From idea to publication Galerie 3, 2nd floor 244 - 5:45 p.m. Advanced data journalism: From idea to publication Galerie 2, 2nd floor 244 - 5:45 p.m. Advanced data journalism through a browser Galerie 2, 2nd floor	2:15 - 3:15 p.m.	Using open crime and policing data	Galerie 3, 2nd floor
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4:45 – 5:45 p.m. Python 3: Data cleaning and visualization  4:45 – 5:45 p.m. Finding the story: Campaign finance  5tudio 6, 2nd floor  4:45 – 5:45 p.m. Countdown to the big count: Getting ready for Census 2020  4:45 – 5:45 p.m. Encryption and journalism: From idea to publication  6alerie 3, 2nd floor  4:45 – 5:45 p.m. Advanced data journalism through a browser  6alerie 6, 2nd floor  6alerie 2, 2nd floor	3:30 - 4:30 p.m.	"Scrollytelling" with Mapbox (repeat)	Studio 1, 2nd floor
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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.	Python 3: Data cleaning and visualization	Studio 6, 2nd 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.	Finding the story: Campaign finance	Studio 8, 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.	Countdown to the big count: Getting ready for Census 2020	Acadia, 3rd 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.	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. DataKit install party Galerie 4, 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

Time	Session	Room
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	Preservation Foyer, 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 - Group A (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, villians 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 4, 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 – 10 a.m.	Exploring the radio spectrum for news	Galerie 2, 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
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.	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 4, 2nd floor

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11.30 a.m 12.30 p.m. FOLA from the flip side Studio 10, 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 21.5 - 54.5 p.m. ArcGIS. From spreadotheets to StoryMaps (pre-registration required) Studio 2, 2nd floor 21.5 - 54.5 p.m. Write better Python code (pre-registration required) Studio 2, 2nd floor 21.5 - 54.5 p.m. Moster class. Writing the investigative nerrotive (Friday afternoon) Galerie 2, 2nd floor 21.5 - 54.5 p.m. Moster class. Writing the investigative nerrotive (Friday afternoon) Galerie 5, 2nd floor 21.5 - 34.5 p.m. Excel 1: Getting started with spreadsheets (repeat) Studio 3, 2nd floor 21.5 - 34.5 p.m. SQL 1: Exploring data Studio 10, 2nd floor Studio 3, 2nd floor 21.5 - 34.5 p.m. SqL 1: Exploring data Studio 10, 2nd floor 21.5 - 34.5 p.m. Google Sheets. Scraping without coding (repeat) Studio 1, 2nd floor 21.5 - 34.5 p.m. Finding the story: Census data (repeat) Studio 2, 2nd floor 21.5 - 34.5 p.m. An automated election twitterbot using R and Python Studio 3, 2nd floor 21.5 - 34.5 p.m. Avant garde data staries Galerie 3, 2nd floor 21.5 - 34.5 p.m. Avant garde data staries Galerie 3, 2nd floor 21.5 - 34.5 p.m. Avant garde data staries Galerie 3, 2nd floor 21.5 - 34.5 p.m. Negotiating for data at scale Galerie 3, 2nd floor 21.5 - 34.5 p.m. State of newsroom diversity reports Galerie 3, 2nd floor 21.5 - 34.5 p.m. State of newsroom diversity reports Galerie 3, 2nd floor 21.5 - 34.5 p.m. State of newsroom diversity reports Galerie 3, 2nd floor 21.5 - 34.5 p.m. State of newsroom diversity reports Galerie 4, 2nd floor 21.5 - 34.5 p.m. State of newsroom diversity reports Galerie 3, 2nd floor 21.5 - 34.5 p.m. State 2, 1.5 p.m. State 3, 1.5 p.m. State 6, 2nd floor 21.5 p.m. State 3, 1.5 p.m. State 6, 2nd floor 21.5 p.m. State 2, 1.5 p.m. State 3, 1.5 p.m	11:30 a.m 12:30 p.m.	Investigating sexual assault, for newsrooms big and small	Bissonet, 3rd floor
1130 a.m 1230 p.m. Breel tricks you've never used Studio 10, 2nd floor 1130 a.m 1230 p.m. Breaking through coding plateaus Golerie 4, 2nd floor 215 - 545 p.m. ArcGIS. From spreadsheets to StoryMaps (pre-registration required) Studio 7, 2nd floor 215 - 545 p.m. Write better Python code (pre-registration required) Studio 7, 2nd floor 215 - 545 p.m. Write better Python code (pre-registration required) Studio 8, 2nd floor 215 - 545 p.m. Moster class: Writing the investigative narrative (Friday afternoon) Golerie 5, 2nd floor 215 - 545 p.m. Coreer paths in data journalism Bissonet, 3rd floor 215 - 315 p.m. Excel 1: Getting started with spreadsheets (repeat) Studio 8, 2nd floor 215 - 315 p.m. Stotis 1: An introduction Studio 10, 2nd floor 215 - 315 p.m. Stotis 1: An introduction Studio 4, 2nd floor 215 - 315 p.m. Google Sheets Scraping without coding (repeat) Studio 2, 2nd floor 215 - 315 p.m. Finding the story: Census data (repeat) Studio 2, 2nd floor 215 - 315 p.m. An automated election twitterbot using R and Python Studio 3, 2nd floor 215 - 315 p.m. Outchturn data stories Acadia, 3rd floor 215 - 315 p.m. Outchturn data stories Acadia, 3rd floor 215 - 315 p.m. Avant garde data viz Golerie 2, 2nd floor 215 - 315 p.m. Negotiating for data at scale Golerie 3, 2nd floor 215 - 315 p.m. Negotiating for data at scale Golerie 3, 2nd floor 215 - 315 p.m. State of newsroom diversity reports Golerie 3, 2nd floor 330 - 430 p.m. Excel 2: Formulas & sorting (repeat) Studio 8, 2nd floor 330 - 430 p.m. State of newsroom diversity reports Golerie 4, 2nd floor 330 - 430 p.m. State of newsroom diversity reports Studio 3, 3nd floor 340 p.m. Data visualization & storytelling with Flourish Studio 1, 2nd floor 340 p.m. Power Ell: Create interactive data visualizations Studio 1, 2nd floor 340 p.m. Data visualization & storytelling with Flourish Studio 1, 2nd floor 340 p.m. Data visualization & storytelling with Flourish Studio 1, 2nd floor 340 p.m. Data visualization & storytelling with Flourish Golerie 4, 2nd floor 340 p.m. Being a	11:30 a.m 12:30 p.m.	Digital sleuthing with Bellingcat	Acadia, 3rd floor
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215 - 5:45 p.m. Write better Python code (pre-registration required) Studio 7, 2nd floor 215 - 5:45 p.m. Write better Python code (pre-registration required) Studio 9, 2nd floor 215 - 5:45 p.m. Moster class: Writing the investigative narrotive (Friday afternoon) Galerie 5, 2nd floor 215 - 3:15 p.m. Career paths in data journalism Bissonet; 3rd floor 215 - 3:15 p.m. Excel II Getting storted with spreadsheets (repeat) Studio 8, 2nd floor 215 - 3:15 p.m. SQL is Exploring data Studio 10, 2nd floor 215 - 3:15 p.m. SQL is Exploring data Studio 10, 2nd floor 215 - 3:15 p.m. Stots 1: An introduction Studio 10, 2nd floor 215 - 3:15 p.m. Geogle Sheets Scroping without coding (repeat) Studio 2, 2nd floor 215 - 3:15 p.m. Finding the story: Census data (repeat) Studio 2, 2nd floor 215 - 3:15 p.m. An automated election twitterbot using R and Python Studio 3, 2nd floor 215 - 3:15 p.m. Quick-turn data stories Acadia, 3rd floor 215 - 3:15 p.m. Avant garde data wiz Galerie 4, 2nd floor 215 - 3:15 p.m. Avant garde data wiz Galerie 2, 2nd floor 215 - 3:15 p.m. Negotiating for data at scale Galerie 3, 3nd floor 215 - 3:15 p.m. State of newsroon diversity reports Galerie 4, 2nd floor 215 - 3:15 p.m. State of newsroon diversity reports Galerie 4, 2nd floor 3:30 - 4:30 p.m. State of newsroon diversity reports Galerie 4, 2nd floor 3:30 - 4:30 p.m. State of newsroon diversity reports Studio 3, 3nd floor 3:30 - 4:30 p.m. State of newsroon diversity reports Studio 3, 3nd floor 3:30 - 4:30 p.m. State of newsroon diversity reports Studio 3, 3nd floor 3:30 - 4:30 p.m. State of newsroon diversity reports Studio 3, 3nd floor 3:30 - 4:30 p.m. State of newsroon diversity reports Studio 3, 3nd floor 3:30 - 4:30 p.m. State of newsroon diversity reports Studio 3, 3nd floor 3:30 - 4:30 p.m. State 2: Einear regression Studio 4, 2nd floor 3:30 - 4:30 p.m. Data visualization & stortytelling with Flourish Studio 10, 2nd floor 3:30 - 4:30 p.m. Data visualization & stortytelling with Flourish Studio 10, 2nd floor 3:30 - 4:30 p.m. Data visualization & stor	11:30 a.m 12:30 p.m.	Excel tricks you've never used	Studio 10, 2nd floor
215 - 545 p.m. Muster class: Writing the investigative narrotive (Friday afternoon) Gelerie 5, 2nd floor 215 - 545 p.m. Master class: Writing the investigative narrotive (Friday afternoon) Gelerie 5, 2nd floor 215 - 345 p.m. Career paths in data journalism Bissonet, 3rd floor 215 - 345 p.m. Excel 1: Getting started with spreadsheets (repeat) Studio 8, 2nd floor 215 - 345 p.m. SQL 1: Exploring data Studio 10, 2nd floor 215 - 345 p.m. Stata 1: An introduction Studio 4, 2nd floor 215 - 345 p.m. Google Sheets: Scraping without coding (repeat) Studio 2, 2nd floor 215 - 345 p.m. Google Sheets: Scraping without coding (repeat) Studio 2, 2nd floor 215 - 345 p.m. Finding the story: Census data (repeat) Studio 2, 2nd floor 215 - 345 p.m. An automated election twitterbot using R and Python Studio 3, 2nd floor 215 - 345 p.m. Avant garde data viz 215 - 345 p.m. Avant garde data viz 215 - 345 p.m. Negotiating for data at scale 215 - 345 p.m. Negotiating for data at scale 215 - 345 p.m. Negotiating for data at scale 215 - 345 p.m. State of newsroom diversity reports Gelerie 4, 2nd floor 215 - 345 p.m. Covering undercovered communities 215 - 345 p.m. State of newsroom diversity reports 215 - 345 p.m. Sp.m. Scale 2: Formulas & sorting (repeat) 215 - 345 p.m. Stata 2: Linear regression 230 - 4:30 p.m. Stata 2: Linear regression 250 - 4:30 p.m. Stata 2: Linear regression 250 - 4:30 p.m. Data visualization & starytelling with Flourish 250 - 4:30 p.m. Data visualization & starytelling with Flourish 250 - 4:30 p.m. Data visualization & starytelling with Flourish 250 - 4:30 p.m. Data visualization & starytelling with Flourish 250 - 4:30 p.m. Being a better ally 250 - 4:35 p.m. SQL 3: Joining tables 250 - 4:45 p.m. S	11:30 a.m 12:30 p.m.	Breaking through coding plateaus	Galerie 4, 2nd floor
215 - 545 p.m. Covering disportities in education with data 215 - 315 p.m. State of newsroom diversity reports Galerie 4, 2nd floor 215 - 315 p.m. Sopt. 2 for oring undercovered communities Galerie 4, 2nd floor 215 - 315 p.m. Sopt. 2 for oring undercovered communities Galerie 4, 2nd floor 325 - 435 p.m. Sopt. 2 for original of a state of newsroom diversity reports Galerie 3, 2nd floor 325 - 435 p.m. Sopt. 2 for original of a state of newsroom diversity reports Galerie 3, 3nd floor 325 - 345 p.m. Sopt. 3 for original of a state of newsroom diversity reports Galerie 4, 2nd floor 325 - 345 p.m. Sopt. 3 for original orig	2:15 - 5:45 p.m.	ArcGIS: From spreadsheets to StoryMaps (pre-registration required)	Studio 7, 2nd floor
245 - 345 p.m. Career paths in data journalism Bissonet, 3rd floor 245 - 345 p.m. Excel t: Getting started with spreadsheets (repeat) Studio 8, 2nd floor 245 - 345 p.m. SQL t: Exploring data Studio 10, 2nd floor 245 - 345 p.m. SQL ti. Exploring data Studio 10, 2nd floor 245 - 345 p.m. Stots 1: An introduction Studio 4, 2nd floor 245 - 345 p.m. Google Sheets: Scraping without coding (repeat) Studio 1, 2nd floor 245 - 345 p.m. Finding the story: Census data (repeat) Studio 2, 2nd floor 245 - 345 p.m. An automated election twitterbot using R and Python Studio 3, 2nd floor 245 - 345 p.m. Avant garde data viz 245 - 345 p.m. Avant garde data viz 245 - 345 p.m. Avant garde data viz 245 - 345 p.m. Negotiating for data at scale Galerie 2, 2nd floor 245 - 345 p.m. Negotiating for data at scale Galerie 3, 2nd floor 245 - 345 p.m. Negotiating for data at scale Galerie 3, 2nd floor 245 - 345 p.m. State of newsroom diversity reports Galerie 4, 2nd floor 245 - 345 p.m. State of newsroom diversity reports Galerie 3, 2nd floor 245 - 345 p.m. Excel 2: Formulas & sorting (repeat) Studio 8, 2nd floor 230 - 4:30 p.m. Excel 2: Formulas & sorting (repeat) Studio 8, 2nd floor 230 - 4:30 p.m. State 2: Linear regression Studio 1, 2nd floor 230 - 330 - 30 p.m. State 2: Linear regression Studio 3, 2nd floor 230 - 330 p.m. DPD 2: Using OCR to extract data from PDFs 230 - 330 p.m. Deta visualization & Studio 1, 2nd floor 230 - 330 p.m. Deta visualization & Studio 1, 2nd floor 230 - 330 p.m. Deta visualization & Studio 1, 2nd floor 230 - 330 p.m. Being a better ally Galerie 4, 2nd floor 230 - 34:30 p.m. Deta visualization & Studio 2, 2nd floor 230 - 34:30 p.m. Being a better ally Galerie 4, 2nd floor 230 - 34:30 p.m. Being a better ally Galerie 5, 2nd floor 230 - 34:50 p.m. Beyond pictures: Turning satellite imagery into data Galerie 2, 2nd floor 245 - 545 p.m. Excel 3: Filtering & pivot tables (repeat) Studio 3, 2nd floor 246 - 545 p.m. Studio 3, 2nd floor	2:15 - 5:45 p.m.	Write better Python code (pre-registration required)	Studio 9, 2nd floor
215 - 315 p.m. SQL 1: Exploring data 215 - 315 p.m. SQL 1: Exploring data 215 - 315 p.m. SQL 1: Exploring data 215 - 315 p.m. Stats 1: An introduction 216 - 315 p.m. Stats 1: An introduction 217 - 315 p.m. Stats 1: An introduction 218 - 315 p.m. Google Sheets: Scraping without coding (repeat) 218 - 315 p.m. Finding the story: Census data (repeat) 219 - 315 p.m. Finding the story: Census data (repeat) 210 - 315 p.m. An automated election twitterbot using R and Python 215 - 315 p.m. Quick turn data stories 216 - 315 p.m. Avant garde data viz 217 - 315 p.m. Avant garde data viz 218 - 315 p.m. Negotiating for data at scale 218 - 315 p.m. Negotiating for data at scale 219 - 315 p.m. State of newsroom diversity reports 219 - 315 p.m. State of newsroom diversity reports 210 - 3130 p.m. Covering undercovered communities 219 - 315 p.m. State of newsroom diversity reports 210 - 3130 p.m. Excel 2: Formulas & sorting (repeat) 210 - 3130 p.m. SQL 2: Grouping and summing data 210 - 4130 p.m. Stats 2: Linear regression 2110 - 310 p.m. Stats 2: Linear regression 2110 - 310 p.m. Depth 2: Using OCR to extract data from PDFs 2110 - 3130 p.m. Data visualization & storytelling with Flourish 219 - 4130 p.m. Data visualization & storytelling with Flourish 210 - 4130 p.m. Day-turn investigations 210 - 4130 p.m. Being a better ally 211 - 5145 p.m. Beyond pictures: Turning satellite imagery into data 212 - 5145 p.m. SQL 3: Joining tables 213 - 5145 p.m. SQL 3: Joining tables 214 - 5145 p.m. SQL 3: Joining tables 215 - 5145 p.m. SQL 3: Joining tables 216 - 5145 p.m. SQL 3: Joining tables 217 - 5145 p.m. Studio 3: Judio 1: Jud floor 218 - 5145 p.m. SQL 3: Joining tables 219 - 5145 p.m. SQL 3: Joining tables 210 - 5145 p.m. SQL 3: Joining tables 210 - 5145 p.m. SQL 3: Joining tables 210 - 5145 p.m. SQL 3: Joining tables 211 - 5145 p.m. SQL 3: Joining tables 212 - 5145 p.m. SQL 3: Joining tables 213 - 5145 p.m. SQL 3: Joining tables 214 - 5145 p.m. SQL 3: Joining tables 214 - 5145 p.m. SQL 3: Joining tables 215 - 5145 p.m. SQL 3: Joining ta	2:15 - 5:45 p.m.	Master class: Writing the investigative narrative (Friday afternoon)	Galerie 5, 2nd floor
215 - 315 p.m. SQL 1: Exploring data Studio 10, 2nd floor 215 - 315 p.m. Statis 1: An introduction Studio 4, 2nd floor 215 - 315 p.m. Google Sheets: Scraping without coding (repeat) Studio 1, 2nd floor 215 - 315 p.m. Finding the story: Census data (repeat) Studio 2, 2nd floor 215 - 315 p.m. An automated election twitterbot using R and Python Studio 3, 2nd floor 215 - 315 p.m. Quick-turn data stories Acadia, 3rd floor 215 - 315 p.m. Quick-turn data stories Acadia, 3rd floor 215 - 315 p.m. Avant garde data viz Galerie 4, 2nd floor 215 - 315 p.m. Negotiating for data at scale Galerie 2, 2nd floor 215 - 315 p.m. Negotiating for data at scale Galerie 3, 2nd floor 215 - 315 p.m. State of newsroom diversity reports Galerie 4, 2nd floor 215 - 315 p.m. State of newsroom diversity reports Galerie 4, 2nd floor 230 p.m. Excel 2: Formulas & sorting (repeat) Studio 8, 2nd floor 330 - 430 p.m. SQL 2: Grouping and summing data Studio 10, 2nd floor 330 - 430 p.m. Stats 2: Linear regression Studio 4, 2nd floor 330 - 430 p.m. DDF 2: Using OCR to extract data from PDFs Studio 3, 2nd floor 330 - 430 p.m. Dota visualization & storytelling with Flourish Studio 3, 2nd floor 330 - 430 p.m. Dota visualization & storytelling with Flourish Studio 1, 2nd floor 330 - 430 p.m. Dota visualization & storytelling with Flourish Studio 2, 2nd floor 330 - 430 p.m. Being a better ally Galerie 4, 2nd floor 330 - 430 p.m. Being a better ally Galerie 4, 2nd floor 340 p.m. Being a better ally Galerie 5, 2nd floor 340 p.m. Being a better ally Galerie 5, 2nd floor 340 p.m. Beyond pictures: Turning satellite imagery into data Galerie 2, 2nd floor 3445 - 545 p.m. Excel 3: Filtering & pivot tables (repeat) Studio 8, 2nd floor 4445 - 545 p.m. Stats 3: Logistic regression Studio 3, 2nd floor 4445 - 545 p.m. Stats 3: Logistic regression Studio 3, 2nd floor 4445 - 545 p.m. Galerie 2, 3nd floor 4445 - 545 p.m. Galerie 3, 2nd floor 4445 - 545 p.m. Galeri	2:15 - 3:15 p.m.	Career paths in data journalism	Bissonet, 3rd floor
215 - 315 p.m. Stats 1: An introduction Studio 4, 2nd floor 215 - 315 p.m. Google Sheets: Scraping without coding (repeat) Studio 1, 2nd floor 215 - 315 p.m. Finding the story: Census data (repeat) Studio 2, 2nd floor 215 - 315 p.m. An automated election twitterbot using R and Python Studio 3, 2nd floor 215 - 315 p.m. Quick-turn data stories Acadia, 3rd floor 215 - 315 p.m. Avant garde data viz Galerie 4, 2nd floor 215 - 315 p.m. Negotiating for data at scale 215 - 315 p.m. Negotiating for data at scale 215 - 315 p.m. State of newsroom diversity reports Galerie 4, 2nd floor 215 - 315 p.m. Covering undercovered communities Bissonet, 3rd floor 235 - 430 p.m. Excel 2: Formulas & sorting (repeat) Studio 8, 2nd floor 235 - 430 p.m. SQL 2: Grouping and summing data Studio 10, 2nd floor 235 - 430 p.m. Stats 2: Linear regression Studio 4, 2nd floor 237 - 430 p.m. DPF 2: Using OCR to extract data from PDFs Studio 3, 2nd floor 237 - 430 p.m. Data visualization & storytelling with Flourish Studio 2, 2nd floor 237 - 430 p.m. Data visualization & storytelling with Flourish Studio 1, 2nd floor 237 - 430 p.m. Data visualization & storytelling with Flourish Galerie 4, 2nd floor 237 - 430 p.m. Dever B1: Create interactive data visualizations Galerie 4, 2nd floor 237 - 430 p.m. Data visualization & storytelling with Flourish Studio 1, 2nd floor 237 - 430 p.m. Data visualization & storytelling with Flourish Galerie 4, 2nd floor 237 - 430 p.m. Day-turn investigations Galerie 4, 2nd floor 237 - 430 p.m. Being a better ally Galerie 3, 2nd floor 237 - 430 p.m. Beopting for the rest of us Galerie 3, 2nd floor 237 - 430 p.m. Beopting for the rest of us Galerie 3, 2nd floor 237 - 430 p.m. Studio 1, 2nd floor 237 - 435 p.m. Excel 3: Filtering & pivot tables (repeat) Studio 2, 2nd floor	2:15 - 3:15 p.m.	Excel 1: Getting started with spreadsheets (repeat)	Studio 8, 2nd floor
235 - 335 p.m. Google Sheets: Scraping without coding (repeat) Studio 1, 2nd floor 235 - 335 p.m. Finding the story: Census data (repeat) Studio 2, 2nd floor 235 - 335 p.m. An automated election twitterbot using R and Python Studio 3, 2nd floor 235 - 335 p.m. Quick-turn data stories Acadia, 3rd floor 235 - 335 p.m. Avant garde data viz 235 - 335 p.m. Covering disparities in education with data Galerie 2, 2nd floor 235 - 335 p.m. Negotiating for data at scale 235 - 335 p.m. Negotiating for data at scale 235 - 335 p.m. State of newsroom diversity reports 230 - 430 p.m. State of newsroom diversity reports 230 - 430 p.m. Excel 2: Formulas & sorting (repeat) 230 - 430 p.m. SQL 2: Grouping and summing data 230 - 430 p.m. State 2: Linear regression 230 - 430 p.m. State 2: Linear regression 230 - 430 p.m. PDF 2: Using OCR to extract data from PDFs 230 - 430 p.m. Data visualization & storytelling with Flourish 230 - 430 p.m. Data visualization & storytelling with Flourish 230 - 430 p.m. Data visualization & storytelling with Flourish 230 - 430 p.m. Data visualization & storytelling with Flourish 230 - 430 p.m. Data visualization & storytelling with Flourish 230 - 430 p.m. Data visualization & storytelling with Flourish 230 - 430 p.m. Being a better ally 230 - 430 p.m. Beyond pictures: Turning satellite imagery into data 230 - 430 p.m. Sudio 1, 2nd floor 230 - 430 p.m. Excel 3: Filtering & pivot tables (repeat) 230 - 430 p.m. Sudio 2, 2nd floor 230 - 4450 p.m. Sudio 3, 2nd floor 245 - 545 p.m. Sudio 3, 2nd floor 246 - 545 p.m. Sudio 3, 2nd floor 247 - 545 p.m. Sudio 3, 2nd floor 248 - 545 p.m. Sudio 3, 2nd floor 249 - 545 p.m. Sudio 3, 2nd floor 240 - 545 p.m. Sudio 3, 2nd floor 241 - 545 p.m. Sudio 3, 2nd floor	2:15 - 3:15 p.m.	SQL 1: Exploring data	Studio 10, 2nd floor
215 - 315 p.m. Finding the story: Census data (repeat)  215 - 315 p.m. An automated election twitter bot using R and Python  Studio 2, 2nd floor  215 - 315 p.m. Quick-turn data stories  Acadia, 3rd floor  215 - 315 p.m. Avant garde data viz  Golerie 6, 2nd floor  215 - 315 p.m. Covering disparities in education with data  Golerie 2, 2nd floor  215 - 315 p.m. Negotiating for data at scale  Golerie 3, 2nd floor  215 - 315 p.m. State of newsroom diversity reports  Golerie 4, 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. Stats 2: Linear regression  Studio 10, 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. Data visualization & storytelling with Flourish  Studio 1, 2nd floor  3:30 - 4:30 p.m. Being a better ally  Golerie 4, 2nd floor  3:30 - 4:30 p.m. Day-turn investigations  Golerie 4, 2nd floor  3:30 - 4:30 p.m. Being a better ally  Golerie 4, 2nd floor  3:30 - 4:30 p.m. Beyond pictures: Turning satellite imagery into data  Golerie 2, 2nd floor  3:30 - 4:30 p.m. Sop.m. Sop.m. Beyond pictures: Turning satellite imagery into data  Golerie 3, 2nd floor  3:30 - 4:30 p.m. Sop.m. Sop.m. Sop.m. Sop.m. Sop.m. Sop.m. Sop.m. Sop.m. Beyond pictures: Turning satellite imagery into data  Golerie 2, 2nd floor  3:30 - 4:30 p.m. Sop.m.	2:15 - 3:15 p.m.	Stats 1: An introduction	Studio 4, 2nd floor
235 - 335 p.m. Quick-turn data stories Acadia, 3rd floor 235 - 335 p.m. Quick-turn data stories Acadia, 3rd floor 235 - 335 p.m. Avant garde data viz Galerie 6, 2nd floor 235 - 335 p.m. Covering disparities in education with data Galerie 2, 2nd floor 235 - 335 p.m. Negotiating for data at scale Galerie 3, 2nd floor 235 - 335 p.m. State of newsroom diversity reports Galerie 4, 2nd floor 235 - 335 p.m. State of newsroom diversity reports Galerie 4, 2nd floor 236 - 4350 p.m. Covering undercovered communities Bissonet, 3rd floor 230 - 4330 p.m. Excel 2: Formulas & sorting (repeat) Studio 8, 2nd floor 230 - 430 p.m. SQL 2: Grouping and summing data Studio 10, 2nd floor 230 - 430 p.m. Stats 2: Linear regression Studio 4, 2nd floor 230 - 430 p.m. PDF 2: Using OCR to extract data from PDFs Studio 3, 2nd floor 230 - 430 p.m. Power B1: Create interactive data visualizations Studio 2, 2nd floor 230 - 430 p.m. Data visualization & storytelling with Flourish Studio 1, 2nd floor 230 - 430 p.m. Day-turn investigations Galerie 4, 2nd floor 230 - 430 p.m. Being a better ally Galerie 4, 2nd floor 230 - 430 p.m. Beyond pictures: Turning satellite imagery into data Galerie 2, 2nd floor 230 - 430 p.m. Beyond pictures: Turning satellite imagery into data 245 - 545 p.m. SQL 3: Joining tables Studio 10, 2nd floor 246 - 545 p.m. SqL 3: Logistic regression Studio 4, 2nd floor 246 - 545 p.m. SqL 3: Logistic regression Studio 4, 2nd floor	2:15 - 3:15 p.m.	Google Sheets: Scraping without coding (repeat)	Studio 1, 2nd floor
215 - 315 p.m. Quick-turn data stories Acadia, 3rd floor 215 - 315 p.m. Avant garde data viz Covering disparities in education with data Galerie 2, 2nd floor 215 - 315 p.m. Negotiating for data at scale Galerie 3, 2nd floor 215 - 315 p.m. Negotiating for data at scale Galerie 3, 2nd floor 215 - 315 p.m. State of newsroom diversity reports Galerie 4, 2nd floor 215 - 315 p.m. Covering undercovered communities Bissonet, 3rd floor 230 - 4:30 p.m. Covering undercovered communities 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 B1: 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. 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. Beyond pictures: Turning satellite imagery into data Galerie 2, 2nd floor 3:30 - 4:30 p.m. Excel 3: Filtering & pivot tables (repeat) Studio 8, 2nd floor 3:445 - 5:45 p.m. SQL 3: Joining tables Studio 1, 2nd floor 3:445 - 5:45 p.m. Stats 3: Logistic regression Studio 3, 2nd floor	2:15 - 3:15 p.m.	Finding the story: Census data (repeat)	Studio 2, 2nd 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 2:15 - 3:15 p.m. State of newsroom diversity reports Galerie 4, 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 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 B1 : 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. 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. SQL 3: Joining tables Studio 3, 2nd floor	2:15 - 3:15 p.m.	An automated election twitterbot using R and Python	Studio 3, 2nd floor
235 - 335 p.m. Negotiating for data at scale Galerie 2, 2nd floor 235 - 335 p.m. State of newsroom diversity reports Galerie 3, 2nd floor 235 - 335 p.m. State of newsroom diversity reports Galerie 4, 2nd floor 235 - 435 p.m. Covering undercovered communities Bissonet, 3rd floor 230 - 430 p.m. Excel 2: Formulas & sorting (repeat) Studio 8, 2nd floor 230 - 430 p.m. SQL 2: Grouping and summing data Studio 10, 2nd floor 230 - 430 p.m. Stats 2: Linear regression Studio 4, 2nd floor 230 - 430 p.m. PDF 2: Using OCR to extract data from PDFs Studio 3, 2nd floor 230 - 430 p.m. Power BI 1: Create interactive data visualizations Studio 2, 2nd floor 230 - 430 p.m. Data visualization & storytelling with Flourish Studio 1, 2nd floor 230 - 430 p.m. Being a better ally Galerie 4, 2nd floor 230 - 430 p.m. Day-turn investigations Galerie 6, 2nd floor 230 - 430 p.m. Beyond pictures: Turning satellite imagery into data Galerie 2, 2nd floor 230 - 430 p.m. Excel 3: Filtering & pivot tables (repeat) Studio 8, 2nd floor 240 - 430 p.m. SQL 3: Joining tables Studio 3, 2nd floor 2415 - 545 p.m. SQL 3: Joining tables 250 - 545 p.m. SQL 3: Joining tables 250 - 545 p.m. Studio 3, 2nd floor 2516 - 545 p.m. SQL 3: Joining tables 2516 - 545 p.m. Studio 3, 2nd floor 2517 - 545 p.m. SQL 3: Joining tables 2518 - 545 p.m. Studio 3, 2nd floor 2519 - 545 p.m. SQL 3: Joining tables 2510 - 545 p.m. SQL 3: Joining tabl	2:15 - 3:15 p.m.	Quick-turn data stories	Acadia, 3rd floor
2:15 - 3:15 p.m. Negotiating for data at scale 2:15 - 3:15 p.m. State of newsroom diversity reports Galerie 4, 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 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. Data visualization & storytelling with Flourish Studio 1, 2nd floor 3:30 - 4:30 p.m. Data visualization & storytelling with Flourish Studio 1, 2nd floor 3:30 - 4:30 p.m. Day-turn investigations Galerie 4, 2nd floor 3:30 - 4:30 p.m. Day-turn investigations Galerie 6, 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. SQL 3: Joining tables Studio 3, 2nd floor 4:45 - 5:45 p.m. Stats 3: Logistic regression Studio 3, 2nd floor 5:445 - 5:45 p.m. Geocoding using online tools Studio 1, 2nd floor	2:15 - 3:15 p.m.	Avant garde data viz	Galerie 6, 2nd floor
2:15 – 3:15 p.m. State of newsroom diversity reports Bissonet, 3rd 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 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 BI1: 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. 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 2, 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 3, 2nd floor 4:45 – 5:45 p.m. Geocoding using online tools Studio 1, 2nd floor	2:15 - 3:15 p.m.	Covering disparities in education with data	Galerie 2, 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 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 Bl 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. 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. Geocoding using online tools Studio 3, 2nd floor	2:15 - 3:15 p.m.	Negotiating for data at scale	Galerie 3, 2nd 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 Bl 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. 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 10, 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 3, 2nd floor  4:45 - 5:45 p.m. Stats 3: Logistic regression  Studio 3, 2nd floor  Studio 3, 2nd floor	2:15 - 3:15 p.m.	State of newsroom diversity reports	Galerie 4, 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. Data visualization & storytelling with 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. OPDF 3: Batch pdf processing Studio 3, 2nd floor	3:30 - 4:30 p.m.	Covering undercovered communities	Bissonet, 3rd 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. Data visualization & storytelling with 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	3:30 - 4:30 p.m.	Excel 2: Formulas & sorting (repeat)	Studio 8, 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 Bl 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. 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	3:30 - 4:30 p.m.	SQL 2: Grouping and summing data	Studio 10, 2nd floor
3:30 - 4:30 p.m. Power BI 1: Create interactive data visualizations 3:30 - 4:30 p.m. Data visualization & storytelling with 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	3:30 - 4:30 p.m.	Stats 2: Linear regression	Studio 4, 2nd floor
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4:45 - 5:45 p.m. Geocoding using online tools Studio 1, 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. Power BI 2: Clean, join and visualize data Studio 2, 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

Time	Session	Room
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	Preservation Foyer, 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 - Group A (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.	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.	Covering climate change: Beyond models and speculation	Galerie 3, 2nd floor
9 a.m 5 p.m.	Exhibitors and recruiters	Studio Foyers, 2nd floor
9 a.m 12:30 p.m.	Practical machine learning for investigations with fast.ai (Saturday morning)	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 toplines 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 Al'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.	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

Time	Session	Room
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.	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 (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	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
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.	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 (repeat)	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.	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	Studio 6, 2nd 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

Time	Session	Room
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)	Studio 9, 2nd floor
9 - 10:30 a.m.	Conference sales	Preservation Foyer, 2nd 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.	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
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)	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