Women in Statistics and Data Science | virtual conference

September 30-October 2, 2020

Join us *online* this fall!

Women in
Statistics and Data Science
September 30 – October 2, 2020

Register today!

WSDS will convene virtually to celebrate women in statistics and data science and bring together leaders from academia, government, and industry. We aim to provide a unique, online environment conducive to women sharing and growing their knowledge, influence, and community.

The program will combine technical, educational, and professional development sessions with diversity and networking activities. Technical talks and educational workshops will highlight the work of rising stars and senior women, as well as showcase burgeoning areas in statistics and data science.

All activities—**designed to appeal to women at any stage of their career**—will balance speakers across academia, government, and industry.

Attend from *anywhere!*

WSDS WILL BE DELIVERED ONLINE through a virtual platform and customized so you have the best experience possible. The platform will provide easy access to sessions and exciting virtual opportunities to network and engage throughout the meetings. We encourage synchronous participation to get the most out of your virtual experience—which will include sessions with live chat, polling, and Q&As.

For added flexibility, most sessions will be recorded and available on demand after the conference. Celebrate your success and find unique opportunities to **grow your influence, your community, and your knowledge**.

Women in Statistics and Data Science | SCHEDULE AT A GLANCE

The Women in Statistics and Data Science Conference program offers courses, concurrent sessions, speed sessions, a virtual EXPO, and many opportunities to network.

WEDNESDAY, SEPTEMBER 30

1:00 p.m. – 3:00 p.m.	Short Course * Half-Day Course 1
1:00 p.m. – 4:30 p.m.	Short Course * Half-Day Course 2

THURSDAY, OCTOBER 1

Available all day	Virtual EXPO
Available all day	Speed/E-Posters
Available all day	Career Mentoring
10:00 a.m. – 11:15 a.m.	Opening Remarks and Plenary Presentation 1
11:00 a.m. – 1:00 p.m.	E-Poster Q&A
11:30 a.m. – 12:45 p.m.	Concurrent Sessions
12:45 p.m. – 1:15 p.m.	Break
1:00 p.m. – 3:00 p.m.	E-Poster Q&A
1:15 p.m. – 2:30 p.m.	Concurrent Sessions
2:45 p.m. – 4:00 p.m.	Concurrent Sessions
4:15 p.m. – 5:30 pm	Plenary Presentation 2
5:35 p.m. – 6:30 p.m.	Opening Mixer – Virtual Networking Event

FRIDAY, OCTOBER 2

Available all day	Virtual EXPO
Available all day	Speed/E-Posters
Available all day	Career Mentoring
10:00 a.m. – 11:30 a.m.	Plenary Session 3
10:00 a.m. – 12:00 p.m.	E-Poster Q&A
11:45 a.m. – 1:00 p.m.	Concurrent Sessions
1:00 p.m. – 1:30 p.m.	Break
1:30 p.m. – 3:30 p.m.	E-Poster Q&A
1:45 p.m. – 3:00 p.m.	Concurrent Sessions
3:00 p.m. – 3:30 p.m.	Break
3:35 p.m. – 4:20 p.m.	Concurrent Sessions
4:30 p.m. – 5:30 p.m.	Celebrating Women in Statistics and Data Science Virtual Happy Hour

Times are tentative and subject to change.   * Denotes a ticketed event that requires an additional fee.

PLENARY SPEAKERS

Michelle Dunn
National Security Agency

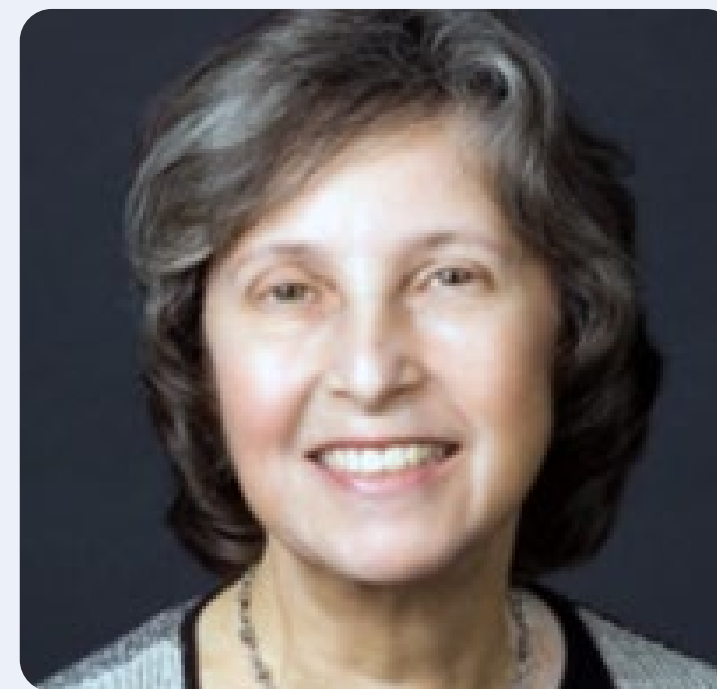**Lauren F. Klein**
Emory University

Catherine D'Ignazio
Massachusetts Institute
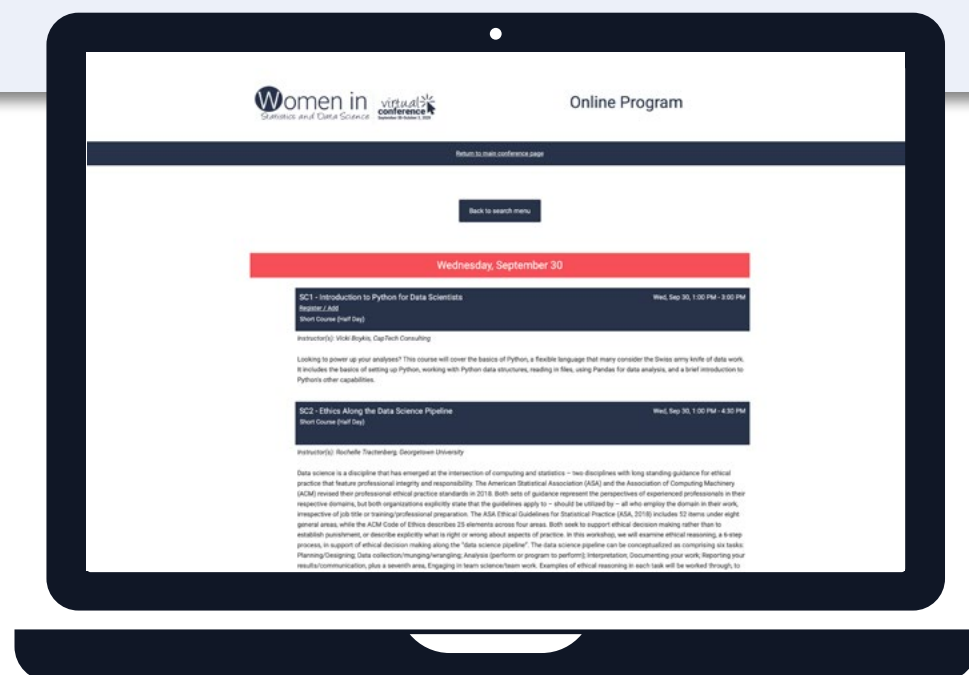of Technology

Lynne Billard
University of Georgia

Susan Ellenberg
University of Pennsylvania
Perelman School of Medicine

Nancy Reid
University of Toronto

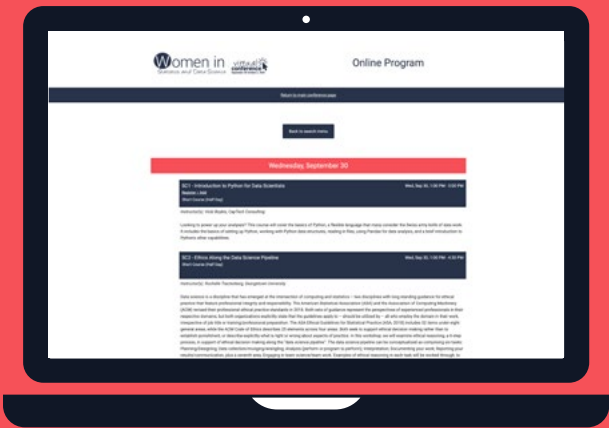A Journey in Data
Science Leadership

Data Feminism

Florence Nightingale David Award Winners

View the *complete* program online!

CHECK OUT THE
ONLINE PROGRAM
AND SEE WHAT ELSE
WSDS HAS IN STORE
FOR YOU THIS YEAR.

HALF-DAY SHORT COURSES Wednesday, September 30

SHORT COURSE 1*

Introduction to Python for Data Scientists
1:00 p.m. – 3:00 p.m.

Instructor: Vicki Boykis, CapTech Consulting

Looking to power up your analyses? This course will cover the basics of Python, a flexible language that many consider the Swiss army knife of data work. It includes the basics of setting up Python, working with Python data structures, reading in files, and using Pandas for data analysis, as well as a brief introduction to Python's other capabilities.

SHORT COURSE ADD-ON FEES	Through August 20	After August 20
ASA Member	$120	$135
New Member	$120	$135
Nonmember	$135	$160
Student	$75	$90

SHORT COURSE 2*

Ethics Along the Data Science Pipeline
1:00 p.m. – 4:30 p.m.

Instructor: Rochelle Tractenberg, Georgetown University

Data science is a discipline that has emerged at the intersection of computing and statistics—two disciplines with long-standing guidance for ethical practice that feature professional integrity and responsibility. The American Statistical Association (ASA) and Association of Computing Machinery (ACM) revised their professional ethical practice standards in 2018. Both sets of guidance represent the perspectives of experienced professionals in their respective domains, but both organizations explicitly state the guidelines apply to—should be used by—all who employ the domain in their work, irrespective of job title or training/ professional preparation.

The ASA Ethical Guidelines for Statistical Practice (ASA, 2018) includes 52 items under eight general areas, while the ACM Code of Ethics describes 25 elements across four areas. Both seek to support ethical decision-making, rather than establish punishment or describe explicitly what is right or wrong about aspects of practice.

In this workshop, we will examine ethical reasoning—a six-step process—in support of ethical decision-making along the "data science pipeline." The data science pipeline can be conceptualized as comprising six tasks—planning/designing, data collection/munging/wrangling, analysis (perform or program to perform), interpretation, documenting your work, and reporting your results/communication—plus a seventh area, engaging in team science/team work. Examples of ethical reasoning in each task will be worked through to promote engagement with the ethical practice standards of the ASA and ACM.
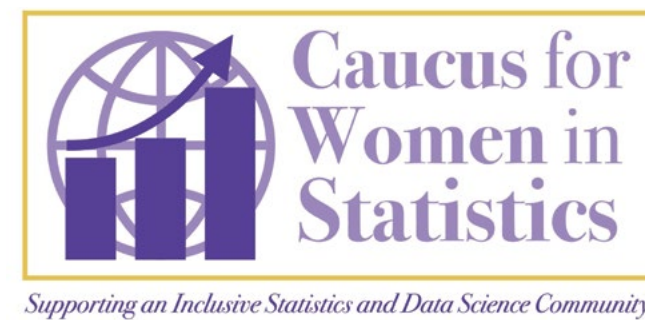
Another "pipeline" to consider is that of describing a career trajectory or set of roles comprising responsibilities of the individual, instructor, mentor, and supervisor. Stakeholder analysis will be used to support reasoning and communication about ethical practice, as well as initiating discussions in the classroom and workplace.

VISIT THE WSDS *Virtual EXPO!*

The ASA Women in Statistics and Data Science Conference will have a virtual exhibit hall—a great place to meet representatives from targeted companies and organizations, as well as other attendees, and build connections.

Sign up to be a
virtual exhibitor!

REGISTER
TODAY!

	Through August 20	After August 20
ASA Member	$295	$345
New Member*	$390	$440
Nonmember	$435	$485
Student	$175	$175

*Includes discounted first-year ASA dues; not available to renewing or recently lapsed members.

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REGISTRATION FORM

INSTRUCTIONS:
1. Print or type all information and retain a copy for your records.
2. Use a separate form for each registrant.
3. Mail form with payment to WSDS Registration, 732 N. Washington Street, Alexandria, VA 22314. Fax form (credit card payment only) to (703) 997-7299.

Purchase orders will not be accepted. No exceptions.
ASA Federal ID #53-0204461

Forms received without payment will not be processed.

ATTENDEE INFORMATION

ASA ID # (if known)

Name

Preferred Name (if other than first name)

Organization

Address Line 1

Address Line 2

City   State/Province   ZIP/Postal Code

Country (non-U.S.)

Phone

Email

☐ Please update my ASA customer contact information with this contact information.
☐ Please exclude my name from the conference attendee roster that will appear on the conference website.

CANCELLATION POLICY
All cancellations must be submitted in writing. Email: asainfo@amstat.org; Fax: (703) 997-7299; Mail: WSDS Registration, 732 North Washington St., Alexandria, VA 22314. Cancellations received by August 20, 2020, will be refunded, less 20% all items. Requests for refunds received after August 20 will not be honored.

DISCLAIMER AND WAIVER
The American Statistical Association (ASA) intends to capture images and record portions of this event for future access and for use in ASA print and electronic (including the ASA website) news and promotional material. By participating in this event, you grant the ASA the right to use any image, photograph, voice, or likeness without limitation and without compensation. All media become the property of the ASA. Media may be displayed, distributed, or used by the ASA for any purpose.

CONDUCT POLICY
Meeting attendance constitutes an agreement to abide by the ASA Activities Conduct Policy found at **www.amstat.org/conductpolicy**.

REGISTRATION FEES (required)

	Through August 20	After August 20	
ASA Member	$295	$345	$_____
New Member*	$390	$440	$_____
Nonmember	$435	$485	$_____
Student	$175	$175	$_____

*Includes discounted first-year ASA dues; not available to renewing or recently lapsed members.

SHORT COURSES (additional fee)
Add-ons to conference fee

	Through August 20	After August 20	
ASA Member	$120	$135	$_____
New Members	$120	$135	$_____
Nonmember	$135	$135	$_____
Student	$75	$90	$_____

Wednesday, September 30
☐ **SC1: Introduction to Python for Data Scientists** 1:00–3:00 p.m.
Vicki Boykis, CapTech Consulting
☐ **SC2: Ethics Along the Data Science Pipeline** 1:00–4:30 p.m.
Rochelle Tractenberg, Georgetown University

TOTAL CONFERENCE CHARGES $_____

PAYMENT
☐ Check/money order enclosed payable to the **American Statistical Association**
(in US dollars on a US bank)

Credit Card ☐ American Express ☐ Discover ☐ MasterCard ☐ VISA

Card Number

Expiration Date   Security Code

Name of Cardholder

Authorizing Signature

Click here
to register online or download a printable PDF form.

AWARDS ARE AVAILABLE TO HELP STUDENTS AND EARLY-CAREER PROFESSIONALS ATTEND THE CONFERENCE.

To be eligible, applicants must be either students enrolled in a terminal degree program (bachelor's, master's, or doctoral) in biostatistics, statistics, or data science or have completed a master's or doctoral degree program in biostatistics, statistics, or data science within the last five years (2015–2020).

Apply now!

Women in Statistics and Data Science | Sponsors

Thank you!

GOLD

SILVER

BRONZE