



**Upcoming
Events**

ENAR Fostering

Diversity in

Biostat

Workshop

Virtual

Mar. 13-14, 2021

2021 WAM

Program

Virtual

May 22-28, 2021

Thoughts from the Director...



David Goldberg

Executive Director
of the
Math Alliance

February may be the shortest month of the year, but it is always packed with activity. Both the [AMS Notices](#) and [AMSTAT News](#) have large sections devoted to Black History Month, which feature several Math Alliance Mentors and Scholars. (The AMSTAT News items are described later in this newsletter, while the AMS Notices items were listed in the [January newsletter](#).) Black History Month also means a new set of honorees on the [Mathematically Gifted and Black](#) website, and several are members of our community!! Congratulations to all our Mentors and Scholars who have been honored by these and any other forums. It is a good moment to remind ourselves that Black History is American History, and every month there are achievements by African Americans worthy of recognition by all.

I want to congratulate the [Gulf States Math Alliance](#) for such a successful virtual [conference on Friday, February 19](#). This regional alliance continues to grow and set new standards for us all. I also wanted to call your attention to an edition of the NPR [Short Wave podcast](#) featuring James West. I first heard Dr. West speak at the CAARMS conference in 2003, here at Purdue, and if you research him you will understand why I say he has a profound impact on our daily lives, probably hundreds of times a day for most of us. I continue to be inspired by his energy, enthusiasm, and achievements, as well as his commitment to inclusion, and I hope you will all listen (and hear what he has to say about math!!).

I have been glad to hear from so many of my (how to put it gently) slightly more senior colleagues (and yes only slightly) upon their receiving the COVID-19 vaccination. This is great news for them personally, for our community, and of course for our country. Just this week we passed the grim milestone of 500,000 recorded COVID-19 deaths (and we know the actual toll is significantly higher), and it is a stark reminder that our choices and actions can have significant and unintended consequences. We also know the effect is most felt in the communities we serve, so taking the right steps should be a no brainer because the community matters to us. While we seem to be on a good path for now, we have to be vigilant, and patient, and understand we'll still be wearing masks and mostly staying apart for quite a bit longer. This somehow reminded me of watching a pre-season football game many years ago, and a rookie who would become a hall of famer, returning a punt for a touchdown (or so he thought). Because it was pre-season, and the stadium was being used for baseball as well, the infield made the yard lines a little confusing, and he spiked the ball as he crossed the 5-yard line (this was in the day when the move was to spike it backwards over your shoulder). It feels like that to me. Sure, because our understanding of the facts and of the science has changed the goalposts have moved a few times, but we should keep them in sight and be sure we make it to the end zone together before we celebrate.

March

[When Life Gives You Lemons, Make Mathematicians](#), by Kira Adaricheva, Ben Brubaker*, Pat Devlin*, Steven J. Miller*, Vic Reiner, Alexandra Seceleanu, Adam Sheffer, and Yunus Zeytuncu*

[Perseverance and Representation: A Memorial for Katherine Coleman Goble Johnson \(1918–2020\)](#), by Ranthony Edmonds†* and Omayra Ortega*

[American Women Mathematics PhDs of the 1940s](#), by Margaret Murray

[An Interview with Douglas Ulmer*](#), by Rachel Crowell

[AWM at 50 and Beyond](#), by Georgia Benkart, Kristin Lauter, and Sylvia Wiegand

Short Stories: [Six Surfaces \(Almost\) Surely](#), by Danny Calegari*

[Awards, Fellowships, and Other Opportunities](#)

[AMS President Jill Pipher to Congress: “No Longer Secure: Cryptography in the Quantum Era”](#), by Karen Saxe*

James Freitag*, Daniel Halpern-Leistner*, Mona Merling*, Emily Witt*, and Jesse Wolfson* win [2020 NSF CAREER Awards](#)

**Math Alliance Mentor*

†*Math Alliance Scholar*

Items of Interest in the AMSTAT NEWS

February

Math Alliance Mentors [Emma Benn](#) and [Donald Martin](#) among those featured for [Black History Month](#)

President’s Corner: [Ron Santos’s thoughts on “resilience in troubling times”](#)

[ASA Sponsored Podcasts](#)

[Nominations sought for Annie T. Randall Innovator Award](#)

[CHANCE Highlights: Issue Looks at Black History Month, Slot Machines, and Crowd Funding](#)

EDGE Summer Program

The EDGE Summer Program is a four week program for women about to enter their first or second year in a graduate program in mathematics. Participants prepare for success in graduate school and beyond through rigorous coursework, collaborative problem sessions, and community building events. **Applications are due March 12, 2021.**

Apply here: <https://www.mathprograms.org/db/programs/1031>

For more information: <https://www.edgeforwomen.org/>

Mathematically Gifted and Black 2021 Honorees

As part of Black History Month the website mathematicallygiftedandblack.com honors one black mathematician each day. Below are those honorees that are associated with the Math Alliance:

- **February 2nd- Ashley Swain, PhD-** Math Alliance Scholar
- **February 6th- Angela Robinson, PhD-** Math Alliance Scholar
- **February 9th- Roderick Holmes, PhD-** Math Alliance Mentor
- **February 15th- Cory Colbert, PhD-** Math Alliance Scholar
- **February 17th- Shanise Walker, PhD-** Math Alliance Scholar
- **February 23rd- Nicole Joseph, PhD-** Although not officially a mentor, she has collaborated with us several times in the past.
- **February 24th- Reginald McGee, PhD-** Math Alliance Scholar and now Math Alliance Mentor

These are the honorees through February 25th, 2021, any later honorees with a Math Alliance affiliation will be in the March newsletter.

10th annual Southern California Systems Biology Symposium

Please join us for the 10th annual Southern California Systems Biology Symposium!

The annual symposium, now in its 10th year, brings together researchers from across Southern California—from Santa Barbara to San Diego—to share research, build community, and stimulate collaborations. The symposium will be held virtually via zoom and poster session on the Gather Town platform **Friday March 5th** and will include thematic sessions of talks and a poster session.

Select poster abstracts will be featured in a lightning talk format prior to the virtual poster session.

Register today – it's free!

<https://www.cityofhope.org/2021-systems-biology-symposium>

Organizing Committee

Mark Alber, UC Riverside

Andrea Bild, City of Hope

Aleksandra Karolak, City of Hope

Alex Hoffmann, UCLA

Arthur Lander, UC Irvine

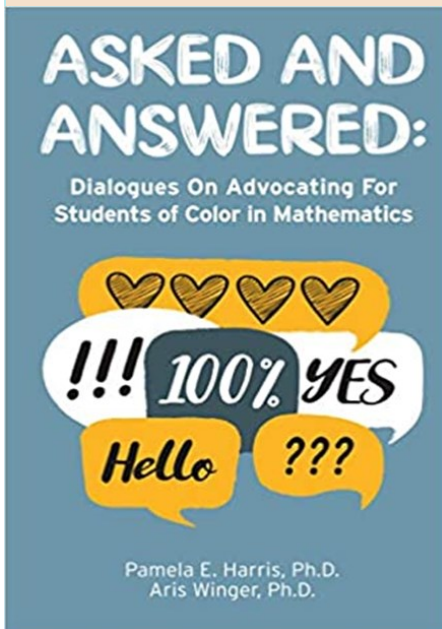
Russell Rockne, City of Hope

Andrei Rodin, City of Hope

Nagarajan Vaidehi, City of Hope

Book Announcement: [Asked and Answered: Dialogues on Advocating For Students of Color in Mathematics](#), authored by **Dr. Pamela E. Harris and Dr. Aris Winger**

By Zakiya Jones, Dr. Vanessa Rivera Quiñones, and Dr. Dwight Anderson Williams II



From the hosts of the podcast Mathematically Uncensored, Dr. Pamela E. Harris and Dr. Aris Winger, we present *Asked and Answered: Dialogues on Advocating For Students of Color in Mathematics*. This book is inspired by the authors' work on creating and leading professional development programs that bring together mathematics/math education faculty and K-12 STEM educators throughout the United States.

Through their five dialogues, Drs. Harris and Winger provide you a window into the process of going from bystander to advocate for students of color in mathematics. Readers are challenged to reflect on their advocacy journey through action that centers students of color in mathematics and their experiences.

If you care about marginalized students in math and want to do something to improve the math community, after reading *Asked and Answered* there is no excuse not to. This book is a starting place for you to make an impact, for you to reflect on your history, and for you to assess your priorities, biases, and misconceptions. It is the check-in that anyone who is doing the work of advocating for students of color in math needs in order to reflect on

and reevaluate their approach to make sure it is centering students' experience and wellbeing. It answers important questions many people ask themselves when they decide they want to fight to create more supportive environments for marginalized students in math.

This book provides a clear and actionable path for educators at all stages of their careers to support students of color sustainably. It asks you to be uncomfortable, to take inventory of the tools at your disposal, to acknowledge where you have failed and succeeded, and where there is room to grow. This is a life-long and life-changing journey. By committing yourself to be an agent of change, you will join the Advocating For Students of Color in Mathematics community in embarking on its mission to uproot the culture of mathematics.

Now *Asked and Answered* does not promise to be a quick-fix theorem. Rather, a consistent tone rings throughout that you must relentlessly dismantle conditions valuing mathematics over people. These pages confront the extraordinary power of your choices or inaction in transforming the lives of your students. And it is only through acknowledgment and intentional disruption of comfort that you'll understand,

"Your voice and actions have a deep impact and we believe that working together to advocate for students of color will create a culture shift which will allow students of color to thrive fully and authentically as themselves within the mathematical sciences." -- Preface, *Asked and Answered: Dialogues on Advocating For Students of Color in Mathematics*.

Now Hiring 2021 Mathcamp Mentors

Canada/USA Mathcamp is looking for math grad students as leaders for its summer 2021 session.

When: June 28 to August 12, 2021

Where: Online

Compensation: \$5,100 stipend plus expenses

Application Deadline: February 28, 2021

Details and online application: <http://www.mathcamp.org/mentor/>

This summer, we invite you to:

- * Be a leader in a vibrant community of talented and enthusiastic high-school students and energetic faculty.
- * Teach and learn what most interests you, in an atmosphere of freedom and excitement.
- * Be a friend and mentor to 120 marvelous kids.
- * Be an architect of an experience that those 120 kids will cherish for years.

Canada/USA Mathcamp (www.mathcamp.org) is a summer program for talented high school students from all over the United States, Canada, and the rest of the world. At Mathcamp, students interact with world-class mathematicians explore advanced topics in mathematics, and find a true intellectual peer group.

The mentor job is a hybrid between a teaching position and a camp counselor role. Your primary responsibilities are academic (teaching, advising projects, talking to students informally about math), but you also contribute to making the program an intense and immersive experience for the campers, despite it being online. It will be an intense and immersive experience for you as well: a lot of work, but also extremely rewarding.

As a mentor at Mathcamp, you get an amazing teaching experience: there is no set curriculum, so you create your own classes and teach the math you're interested in. From group theory to projective geometry, from complex analysis to cryptography, from fractals to voting theory – there is an abundance of mathematics that can be taught (with a little imagination) at camp level. You'll have support (in both curriculum design and pedagogy) from master teachers, and you'll work with students who are exceptionally smart and engaged.

Mentors are also the camp's primary leaders and organizers. They cultivate the rich life of the camp by planning activities, setting camp policy, and serving as “residential” advisors for the students. (Even though the program is online, it plays such a big role in the students' lives, and the community is so close-knit, that something like residential advising still ends up being necessary.) Initiative, flexibility, and tolerance for a certain degree of chaos are a must—that is part of what makes Mathcamp an exciting place to work!

Strong candidates for this role are typically PhD students in pure or applied mathematics. Those in the summer between a Master's and PhD program are also eligible to apply, as are graduate students in closely-related fields. Those not in graduate school, but with a similar background in advanced mathematics and teaching, are welcome to contact us about applying to be faculty. Since women and minority students often face a shortage of role models in mathematics, we are especially eager to recruit mentors from these groups.

For more information on the position and how to apply, visit www.mathcamp.org/mentor/.

Scholarships Available for the Summer Institute in Statistical Genetics

26th Summer Institute in Statistical Genetics (SISG)

For more than two decades, the Summer Institute in Statistical Genetics (SISG) has introduced geneticists to modern methods of statistical analysis and statisticians to the challenges posted by modern genetic data. [Bruce Weir](#) serves as the Director of SISG.

2021 Dates: Online July 7-23, 2021 [Scholarship information](#) and [Application](#)

- General registration is open.
- Design a program relevant to your interest by choosing from module offerings.
- Most participants take 2 or 3 modules. Each module is two-and-a-half days.
- Participants receive a certificate of completion.

The goal of SISG is to strengthen the statistical and genetic proficiency and career preparation of scholars from all backgrounds, especially those from groups historically underrepresented in STEM such as racial and ethnic minority groups, low income, first generation college students, veterans, and differently abled and 2SLGBTQ groups.

For more information see the programs [webpage](#).

2021 Summer Institute in Survey Research Techniques Diversity Fellowship

We will be offering an informational webinar regarding the [Summer Institute for Survey Research Techniques \(SISRT\)](#) and Summer Institute in Survey Research Techniques Diversity Fellowship on Thursday, March 4, at 1:00PM EST. Please share this with any undergraduate students that you feel would benefit from this opportunity.

Advance [registration](#) is required.

The mission of the Summer Institute is to provide rigorous and high quality training in all phases of survey research. The program teaches state-of-the-art practice and theory in the design, implementation, and analysis of surveys. Our faculty will host this webinar to detail the 2021 Summer Institute program. Included will be information about course offerings, schedules and special programs.

2021 Summer Institute in Survey Research Techniques Diversity Fellowship

The Summer Institute in Survey Research Techniques (SISRT) is committed to advancing the [University's Diversity, Equity and Inclusion](#) goals. The Diversity Fellowship Program will be offered as part of the 2021 Summer Institute program and will consist of a two-week program (June 14-25, 2021) geared toward upper-level undergraduates from the University of Michigan and other colleges and institutions from around the country.

For more information see this [link](#)

Research Opportunities in Mathematics for Underrepresented Students

Dates: June 1 – August 7, 2021
(dates approx.)

Host: The Ohio State University
Columbus, Ohio

ROMUS



THE OHIO STATE
UNIVERSITY

Apply: <https://www.mathprograms.org/db/programs/1073>

ROMUS is an innovative mathematics summer program that offers undergraduates the opportunity to pursue research under the tutelage of experienced faculty members. Students work with a faculty member on a project of mutual interest for 8-10 weeks during the summer. In addition to the research projects, all accepted students will participate in various cohort activities. These experiences will most likely be virtual/remote, but the possibility remains for some in-person activities.

The projects will be in the following areas:

- *Computational Mathematics, Numerical Modeling*
- *Computational Number Theory*
- *Topological Data Analysis & Directed Algebraic Topology*
- *Knot Theory & Low-Dimensional Topology*
- *Dynamical Systems & Geometry*
- *Operator & Quantum Algebra*
- *Combinatorics & Random Matrices*
- *Cellular Automata, Statistical Mechanics & Probability*
- *Combinatorics & Model Theory*

Applications are welcome from students from all schools. Applications from students from traditionally underrepresented groups are particularly encouraged. REU participants are paid a stipend during the summer depending on in-person vs remote participation as well as travel and lodging as applicable. Please note, REUs are intended primarily for US citizens and Permanent Residents. Because of funding limitations, international students will be considered on an ad-hoc basis.

Applications will begin being evaluated in mid-to-late February and accepted until all slots are filled. For additional questions please contact Tony Nance at nance.1@osu.edu.



SCHOOL OF PUBLIC HEALTH
BIG DATA SUMMER INSTITUTE
UNIVERSITY OF MICHIGAN



Transforming Analytical Learning in the Era of Big Data

An Undergraduate Summer Institute in
Biostatistics SIBS at The University of Michigan

204

Students trained

70+

Alum in graduate
school

20

Students in our
graduate program

20-25%

Under-represented
minority students

June 7 - July 30, 2021

This part-time 8-week virtual summer institute will introduce undergraduate students to emerging challenges at the intersection of **Big Data, Statistics, and Human Health.**

Application opens December 1, 2020

This summer's virtual program will include contributions from a diverse group of University of Michigan faculty in the biomedicine and public health fields and their perspective of big data. Working in teams, students will participate in mentored big data research projects.



National Heart, Lung,
and Blood Institute

www.BigDataSummerInstitute.com

NHLBI Summer Institute in Biostatistics Program - Grant R25HL147207

PRIDE CVD-CGE

PRograms to Increase Diversity Among
Individuals Engaged in Health-Related Research



CARDIOVASCULAR DISEASE COMORBIDITIES, GENETICS AND EPIDEMIOLOGY (CVD-CGE)

Junior Faculty Apply now for Summer 2021 (July 12-28, 2021)

Washington University in St. Louis School of Medicine offers an ***all-expense paid*** summer institute program, initiated and funded by the NHLBI, to increase diversity in the field of Cardiovascular Disease Comorbidities, Genetics and Epidemiology. Junior faculty and researchers (mentees) from under-represented backgrounds in the biomedical and behavioral sciences and/or with disabilities qualify. The program involves:

Two consecutive summers with 2-week all-expense paid summer institute, Mid-Year & Annual Meeting to:

- Establish partnerships between Mentors and Mentees based on mutual research interests
- Participate in training via lectures and workshops on various topics related to Cardiovascular Disease Comorbidities, Genetics, and Epidemiology
- Participate in special grant-writing sessions conducted by NHLBI scientific program staff and PRIDE faculty
- Compete for Small Research Project (SRP) funding for generating preliminary data for subsequent NHLBI grant applications
- Develop the skills needed to apply for research grants and promoting a sustainable independent research program for career development

Linda Schreier, PRIDE CVD-CGE Program Administrator, Division of Biostatistics
Campus Box 8067, 660 S Euclid Avenue, St Louis, MO 63110, PH: 314-362-1565
Email: schreierl@wustl.edu, <https://biostatistics.wustl.edu/education/pridecge/>

University of Minnesota Master of Financial Mathematics (MFM) Two Fully Covered Fellowships for the Incoming Class of 2021

We are pleased to let you know about the University of Minnesota's Master of Financial Mathematics (MFM) program. We are now accepting applications for the incoming class of fall, 2021. Oftentimes STEM students are not aware that they are a great fit for the field of quantitative finance. We invite you to consider our MFM and the many opportunities we provide, **which include two special, fully funded fellowships, each with an approximate value of \$94,000 to cover tuition and living costs for the two-year MFM.**

What is the MFM?

The MFM will prepare you to enter the high-paying, fascinating and satisfying field of quantitative finance, where you can combine skills in mathematics, statistics and data science to do detailed risk modeling. Examples of "quant" jobs include derivatives traders, quantitative risk analysts, investment research analysts, model validators, actuaries, risk regulators, data scientists and academics with a focus on quantitative finance and related domains.

Benefits of the MFM:

- Ninety percent placement rate over the past 5 years
- Highly supportive, tight-knit community of students and alumni
- The MFM program's curriculum, combining theory and practice, is designed by practitioners
- The MFM is housed in the U of MN School of Mathematics, rated 9th in the U.S. for Applied Mathematics
- Strong alumni network—they work in wide variety of firms-The Federal Reserve Bank, Amazon, Slack, Citi, Travelers, Morgan Stanley, and Allianz. They also move on to PhD programs that further support their interest in quantitative finance.

Learn more: [MFM homepage](#), [MFM Fellowships](#), [Attend an Information Session](#)

- First Round of Applications are **due by 2/1/21**;
- We accept applications after this date for the second round of applications reviewed between March and May of 2021
- You should apply for the MFM and the MFM Fellowships simultaneously



MAA Project NExT

NEW EXPERIENCES IN TEACHING

Launch the NExT stage of your career

MAA Project NExT (New Experiences in Teaching) is a year-long professional development program for new(ish) or recent PhDs in the mathematical sciences. The program is designed to connect new faculty with expert teachers and leaders in the mathematics community and address the three main aspects of an academic career: teaching, research, and service.

Recent program sessions have included:

- getting your research and grant-writing off to a good start,
- innovative teaching and assessment methods and why they work,
- finding your niche in the profession,
- attracting and retaining underrepresented students,
- balancing teaching, research, and service demands,
- starting an undergraduate research program, and
- preparing for tenure.

MAA Project NExT Fellows join an active community of faculty who have become award-winning teachers, innovators on their campuses, active members of the MAA, and leaders in the profession.

MAA Project NExT welcomes applications from new(ish) and recent PhDs in postdoctoral, tenure-track, and visiting positions. We particularly encourage applicants from underrepresented groups, including women and minorities. Applications for the 2021 cohort of MAA Project NExT Fellows are due on **April 15, 2021** and can be found at projectnext.maa.org.

Project NExTers (Silver '19) at MAA MathFest in Cincinnati.



Application deadline: April 15, 2021
projectnext.maa.org • projectnext@maa.org



Join us for the 2021 Fostering Diversity in Biostatistics Virtual Workshop

The Eastern North American Region (ENAR) of the International Biometric Society will be hosting the 2021 Fostering Diversity in Biostatistics Virtual Workshop. The workshop will focus on connecting underrepresented minority students interested in biostatistics with professional (bio)statisticians in academia, government and industry.

Dates: March 13 and March 14
Saturday: 3/13/21
Times: 11:00am-2pm EST
Sunday: 3/14/21
Times: 11:00am-2:45pm EST



Keynote Speaker:
Dr. Adrian Coles
Senior Research Scientist
Eli Lilly and Company

The workshop will feature:

- Hands-on computing activities for high school and undergraduate students.
- Roundtable discussions for professionals focusing on supporting, recruiting, and retaining students.
- Panel discussions between students and professionals focusing on career opportunities and mentoring.
- Panel discussions between undergraduate students and graduate students focusing on preparing for a graduate degree in biostatistics.
- An interactive virtual networking expo among undergraduates and graduate students and representatives from schools offering MS and PhD degrees in Biostatistics.
- An interactive virtual networking expo among undergraduates and graduate students and representatives regarding summer programs and job opportunities.

Register here: <https://www.enar.org/meetings/FosteringDiversity/>



2019 Workshop Attendees

To learn more, please contact the workshop co-chairs:

Felicia Simpson, PhD
Assistant Professor
Department of Mathematics
Winston-Salem State University
Phone: (336) 750-2489
Email: griffinfr@wssu.edu

Loni Phillip Tabb, PhD
Associate Professor
Department of Epidemiology and Biostatistics
Drexel University
Phone: (267) 359-6217
Email: lpp22@drexel.edu





Summer 2021 DRUMS Directed Research for Undergraduates in Mathematics and Statistics

The Mathematics and Statistics Departments of North Carolina State University invite qualified applicants for a Research Experiences for Undergraduates (REU) program that pairs mathematics and statistics students for interdisciplinary summer research projects. Proposed projects span applications in applications including disease modeling (COVID-19), physiology, imaging, and extreme weather events; using tools from linear algebra, partial differential equations, probability, sensitivity analysis, parameter inference, optimization, and machine learning. In addition to the technical aspects of the program, students also receive a background in useful auxiliary skills like mathematical programming, writing reports in LaTeX, applying for graduate school, and preparing scientific presentations. Details of this program and a list of projects can be found at <https://math.sciences.ncsu.edu/undergraduate/drums/>.

The DRUMS program will use a hybrid format in which some students will work at NCSU and some will participate remotely for 10 weeks during summer and during the 2021 fall semester. Formal summer activities will be May 24th – August 1st, with arrival on 23rd. The work during the fall semester will be conducted online via zoom. The time commitment for this part of the program will be approximately 5 hours per week including a 1h weekly remote meeting.

We encourage students of all backgrounds to apply. This includes students who might have nontraditional mathematical and/or statistical training, or who are just beginning their mathematical studies.

Students will need to submit a curriculum vitae/resume, a transcript (unofficial is fine), and two reference letters. In addition, students will need to submit a one-page personal statement. One letter should list a local faculty member who is willing to serve as a contact to NCSU faculty (the contact person is needed to help coordinate activities during the fall semester). The personal statement should include the reason(s) why you wish to participate in the DRUMS REU at NCSU.

Due to restrictions from NSF and NSA, our program is restricted to US citizens and permanent residents, and participants must be undergraduate students at the time of participation.

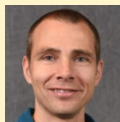
Students will receive a stipend in the amount of \$6,000 for the 10 weeks, housing, a partial meal allowance, and travel support up to \$500 per student to cover transport to and from NCSU.

Application Deadline: Review of applications begins February 15 and will continue until all slots are filled. Please apply at <https://www.mathprograms.org/db/programs/1054>

Contact Information:



Mette Olufsen (msolufse@ncsu.edu)
Professor of Mathematics
North Carolina State University



Brian Reich (brian_reich@ncsu.edu)
Distinguished Professor of Statistics
North Carolina State University

Tenure-Track Assistant Professor of Statistics at University of North Carolina, Charlotte



The Department of Mathematics & Statistics

Applications are invited for a tenure-track position at the assistant professor level in statistics at the University of North Carolina at Charlotte starting August, 2021. Required qualifications are a Ph.D. degree or equivalent in statistics, biostatistics, financial statistics, or other area of applied statistics, with a strong research interest in data science; a commitment to establishing a productive research program, and a commitment to excellence in teaching at the undergraduate and graduate levels and to building a culturally diverse work, research, and teaching environment. This position is part of the department's effort to support the data science program at UNC Charlotte. Therefore, preference will be given to applicants with expertise and experience in computational statistics and data science; a strong commitment to interdisciplinary research and commensurate experience; and potential for external funding.

As the largest and most diverse college at UNC Charlotte, the College of Liberal Arts & Sciences houses 21 departments in the humanities, social and behavioral sciences, natural sciences and mathematics, and military sciences, as well as 28 applied research centers and interdisciplinary programs. With its 35 graduate degrees and 78 undergraduate degree options, the College is connected to the world and its concerns, and is particularly supportive of the greater Charlotte region.

The University of North Carolina at Charlotte is a doctoral, research-intensive urban university, located on an expanding modern campus. The second largest of the 16 UNC System campuses, UNC Charlotte offers more than 30,000 culturally and ethnically diverse students a wide range of undergraduate and graduate degree programs. The University is a Carnegie Foundation Community Engagement campus and an APLU Innovation and Economic Prosperity University. It supports faculty with excellent family and medical leave policies, junior faculty development awards, internal faculty research grant opportunities, and other research opportunities. Charlotte offers a dynamic space to live, work and connect for faculty, students, alumni, and staff, with its outstanding cultural, recreational, and business amenities. As the 15th largest U.S. city, Charlotte is consistently ranked one of the best cities to live (#20 by *U.S. News & World Report*.)

The School of Data Science (SDS) is an interdisciplinary unit with more than 70 faculty associated with 19 departments and is governed by four colleges including the College of Liberal Arts & Sciences, the College of Computing and Informatics, the Belk College of Business, and the College of Health and Human Services. SDS offers three academic programs, extensive collaborative research, and a data and compute infrastructure for researchers.

UNC Charlotte is an affirmative action, equal opportunity employer. UNC Charlotte is committed to achieving excellence through cultural diversity. The university actively encourages applications and/or nominations of women, persons of color, veterans and persons with disabilities. The Department of Mathematics and Statistics seeks to recruit and retain a diverse workforce as a reflection of our commitment to maintain the excellence of the University, and to offer our students richly varied disciplines, perspectives and ways of knowing and learning. Finalists will be asked to discuss the importance of the values of diversity and inclusion for our college and departments, and how the topics of diversity and inclusion are incorporated into and influence their teaching, research, and service.

Applications must be made electronically at <https://jobs.uncc.edu> (position number 006583) and must include a letter of interest that addresses the requirements for the position, a curriculum vitae, a statement of research plans (part of which must be a statement stating previous experience or plan for interdisciplinary research), a statement of teaching experience, philosophy, and interests, and copies (either official or unofficial) of graduate transcripts. The letter of interest and statements should reflect commitment to building a culturally diverse work, research, and teaching environment. Applicants must also arrange to have three letters of reference on appropriate letterhead stationery forwarded (in PDF format, if submitted electronically) on their behalf to Statistics Search Committee, Department of Mathematics and Statistics, University of North Carolina at Charlotte, 9201 University City Boulevard, Charlotte, NC 28223, or via email to Ms. Sarah Hornbeck (srhornbe@uncc.edu) with "Statistics Position Reference" in the subject line. All candidates are subject to a background check. Please note that at this time all interviews will be done virtually due to the pandemic. Evaluations of applications will commence and will continue until the position is filled.

Faculty and Postdoc Positions Announced at the University of Cincinnati



The Department of Mathematical Sciences at the University of Cincinnati is seeking applicants for one or more full-time teaching Educator faculty and multiple (postdoctoral) Visiting Assistant Professorships (VAPs). Appointments will begin on August 15th, 2021.

The Department of Mathematical Sciences and its faculty are dedicated to excellence in both research and teaching. The department has a graduate program offering MS and PhD degrees in mathematics and statistics.

Educator faculty duties at the Instructor or Assistant Professor rank (final rank is commensurate with credentials) include teaching various Mathematics and/or Statistics courses at the undergraduate level and participating in service to the department. This service may include, but is not limited to, serving on search committees, new course development, and multi-section course coordination.

The successful candidate/s will join a faculty team committed to improving STEM education through the use of pedagogical initiatives and cutting-edge technologies, and a research based, active learning approach involving new models of instruction which includes distance learning.

Prior to the effective date of appointment, rank at the Instructor level requires a Master's degree in Mathematics or Statistics with at least two academic years' experience teaching college-level courses in mathematics. Appointment at the Assistant Professor level requires a PhD in Mathematics or Statistics.

Visiting Assistant Professors teach courses in mathematics and/or statistics at the undergraduate level. Appointments will initially be for one year with the possibility of renewal for a second year. Teaching load will nominally be 12-15 credit hours distributed over the Fall and Spring semesters, and may include courses that are 3, 4 or 5 credit hours. There may be the opportunity to conduct research, with priority given to those with research interests in areas including, but not limited to Analysis, Applied Mathematics, Statistics, and Probability.

Candidates must have a PhD in mathematics or statistics prior to the effective date of the appointment.

Complete details and application instructions at <https://www.mathjobs.org/jobs/list/17301> (Educator) and <https://www.mathjobs.org/jobs/list/17300> (VAPs).

Lecturer Position in Mathematics and Statistics at Smith College Announced



The Department of Mathematics and Statistics at Smith College invites applications for a one year, benefit eligible position at the rank of Lecturer, to begin on July 1, 2021. The teaching load is 3-2. Dedicated teacher-scholars from all areas of mathematics or related fields (except Statistics) are encouraged to apply, however, we are especially interested in applicants with expertise in Applied Math. Qualifications for this position include a Ph.D. in mathematics or in a related field (except Statistics) by the time of employment, a strong commitment to teaching, and an active research program. Candidates from groups underrepresented in Mathematics are encouraged to apply.

We are the home of the Center for Women in Mathematics. In addition to courses in theoretical mathematics and applied mathematics, we co-host a Five College certificate in the biomathematical sciences, and with our award-winning post-baccalaureate program, we send a cohort of students to graduate school each year. The department is active in numerous research areas, with dynamic collaborations between faculty, and with students. Further details may be found at www.smith.edu/academics/mathematics-statistics.

Located in Northampton, MA, Smith College is the largest women's college in the country and is dedicated to excellence in teaching and research across the liberal arts. A faculty of outstanding scholars interact with students in small classes, as advisors, and through student-faculty research projects. Smith College offers opportunities to foster faculty success at every career stage, such as those listed here: <https://www.smith.edu/about-smith/provost/faculty-development>. The College is a member of the Five College Consortium with Amherst, Hampshire and Mt. Holyoke Colleges, and the University of Massachusetts Amherst. Students cross-enroll and faculty cross-teach across the Five Colleges.

Submit application at <http://apply.interfolio.com/84588> with a cover letter, curriculum vitae, a statement of teaching experience and philosophy, a statement of research, a statement of diversity and inclusion and three confidential letters of recommendation, with preferably more than one that address the candidate's teaching. Applications that are completed by March 30 are guaranteed full consideration.

Diversity and a culture of equity and inclusion among students, staff, faculty, and administration are crucial to the mission and values of Smith College. We are an Affirmative Action/Equal Opportunity employer and do not discriminate on the basis of race, gender, age, color, religion, national origin, disability, sexual orientation, gender identity and expression or veteran status in the recruitment and employment of faculty and staff, and the operation of any of its programs and activities, as specified by all applicable laws and regulations. Women, historically excluded minorities, veterans, and individuals with disabilities are encouraged to apply.

Assistant Professor of Statistics Position at University of Virginia

The Department of Statistics at the University of Virginia (UVA) College and Graduate School of Arts & Sciences invites applicants for the position of Assistant Professor, General Faculty. This is a three-year, tenure-ineligible appointment with the possibility of renewal, contingent upon available funding, satisfactory performance, and need for the position. This position includes the possibility of promotion to Associate and Full Professor.

The Department is experiencing increased student demand in both statistics and computing, especially at the undergraduate level, so we welcome those whose teaching spans statistical methodology, introductory statistics, and statistical computation. The appointment begins with Fall term of 2021.

The successful candidate will teach three courses per semester, typically with only one or two distinct course preparations. Additionally, they will have the opportunity to develop new courses and direct undergraduate projects, as well as participate in the department's strategic plans for expanding undergraduate interdisciplinary programs and activities, including engaging underrepresented students. Professional activity that enhances teaching is strongly encouraged. The salary is market-competitive, and optional summer teaching for additional compensation is usually available.

The Department of Statistics at UVA was established in 1999 and currently has 17 research and teaching faculty. The Department works closely with the Biostatistics Department at the Medical School, Quantitative Collaborative (Social Sciences), the newly created School of Data Science, and other departments and schools. Faculty interests range from theoretical to applied statistics (including statistics in the social, medical, and physical sciences), and we supervise a growing number of students at all levels. The department offers Bachelor, Master, and Ph.D. degrees in Statistics.

A Ph.D. in Statistics or Biostatistics, or a related field, is required by the start date. Previous teaching experience in statistics, or a related field, is required.

Application Process:

Please apply online at [here](#) and attach the following documents:

- Cover letter that addresses your interest in the role, qualifications, and past experience working on issues of diversity, equity, inclusion and/or working with diverse populations, especially in the classroom.
- CV.
- Statement of teaching philosophy and experience.
- Summary of teaching evaluations that includes relevant numerical summaries and written comments that reflect your qualifications.
- Contact information for at least 3 references.

Please note that multiple documents can be uploaded in the box.

Application Deadline:

Review of applications will begin **March 20, 2021**, but the position will remain open until filled. The University will perform background checks on all new hires prior to employment.

For questions regarding the position or application process contact, Rich Haverstrom, Faculty Search Adviser, at rkh6j@virginia.edu. For questions regarding the position in the Statistics department, please contact Gretchen Martinet, Search Committee Chair, at gaf9f@virginia.edu.

Centrally located in Virginia, Charlottesville boasts a thriving intellectual community and cultural life, with easy access to recreational venues and convenient travel to Richmond, Washington D.C. and Research Triangle Park, which combine to make UVA a most desirable place to live and work. For more information about UVA and the area, please visit <http://uvacharge.virginia.edu/guide.html>.

For information on the benefits available to members of the academic faculty at UVA, visit hr.virginia.edu/benefits.

UVA assists faculty spouses and partners seeking employment in the Charlottesville area. To learn more please visit <https://dualcareer.virginia.edu/>. For more information about UVA and the Charlottesville community please see <http://www.virginia.edu/life/charlottesville> and <https://embarkcva.com/>.

The University of Virginia, including the UVA Health System which represents the UVA Medical Center, Schools of Medicine and Nursing, UVA Physician's Group and the Claude Moore Health Sciences Library, are fundamentally committed to the diversity of our faculty and staff. We believe diversity is excellence expressing itself through every person's perspectives and lived experiences. We are equal opportunity and affirmative action employers. All qualified applicants will receive consideration for employment without regard to age, color, disability, gender identity or expression, marital status, national or ethnic origin, political affiliation, race, religion, sex (including pregnancy), sexual orientation, veteran status, and family medical or genetic information.



MATH ALLIANCE MEMBER INSTITUTION

Tenure-Track Assistant Professor of Mathematics at George Mason University



The Department of Mathematical Sciences at George Mason University invites applications for three tenure-track positions at the rank of Assistant Professor, to begin in August 2021. George Mason University has a strong institutional commitment to the achievement of excellence and diversity among its faculty and staff, and strongly encourages candidates to apply who will enrich Mason's academic and culturally inclusive environment.

About the Department:

The Mathematical Sciences Department at George Mason University offers strong and flexible programs in undergraduate, graduate and Ph.D. Mathematics. Students can specialize in a diverse selection of areas in pure, applied and computational mathematics. A faculty of world-class educators with exemplary qualifications and progressive experience attracts new research opportunities; recruits highly qualified and motivated students from across the country and abroad; and provides unparalleled insight and expertise toward the development of marketable academic programs. For more information about the department, visit us on the web at math.gmu.edu.

Responsibilities:

The successful candidates will be expected to teach at both the undergraduate and graduate levels and to support the department's Ph.D. program in Mathematics. These positions are in support of the state-funded Tech Talent Investment Program (TTIP) which seeks to increase the number of Virginia graduates at the bachelor's and master's level in technology and computing related fields including mathematical sciences. The search will focus on applicants with expertise in the areas of computational and theoretical mathematics related to modeling, dynamical systems, graph theory, combinatorics, and probability, but all disciplines will be considered.

Required Qualifications:

Candidates must possess a Ph.D. degree by 25 August 2021 and must have strong records in both research and teaching.

Preferred Qualifications:

Candidates with postdoctoral experience are preferred. Preference will be given to candidates whose research interests align with those of the department and with the TTIP goals.

Special Instructions to Applicants:

For full consideration applications must be received by **January 29, 2021**, but applications will be accepted until the position is filled. Applications must include a cover letter, curriculum vitae, research statement, teaching statement and at least four letters of recommendation, one of which discusses teaching. Applications must be submitted online at <https://jobs.gmu.edu/>.

Other correspondence may be directed to math@gmu.edu or by regular mail to:

Search Committee (Tenure-Track Assistant Professor)
Department of Mathematics Sciences
Exploratory Hall, Room 4400
Mail Stop 3F2
George Mason University
Fairfax, VA 22030

George Mason University is an equal opportunity/affirmative action employer, committed to promoting inclusion and equity in its community. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, disability or veteran status, or any characteristic protected by law.