



WELCOME TO MAST'S

MONTHLY NEWSLETTER



MSU Denver Students at NCUWM 2026

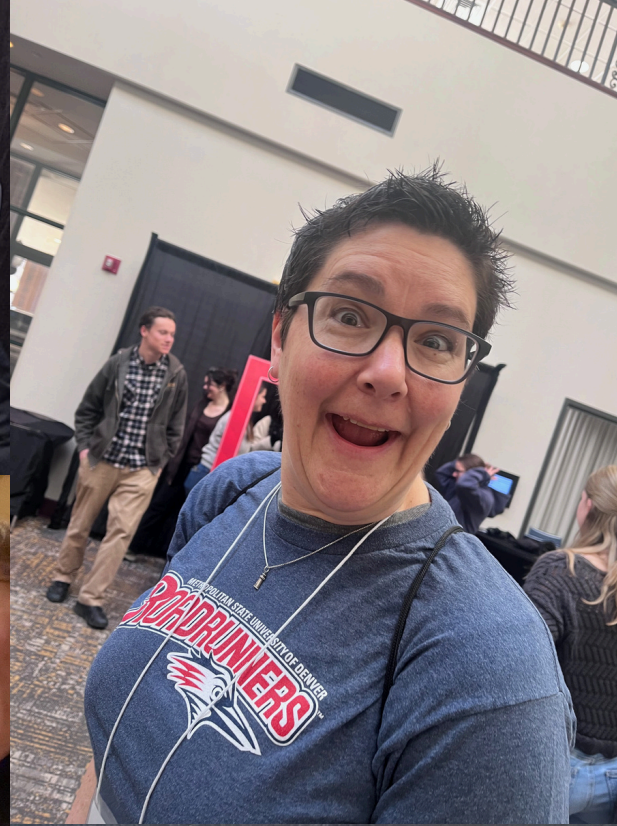
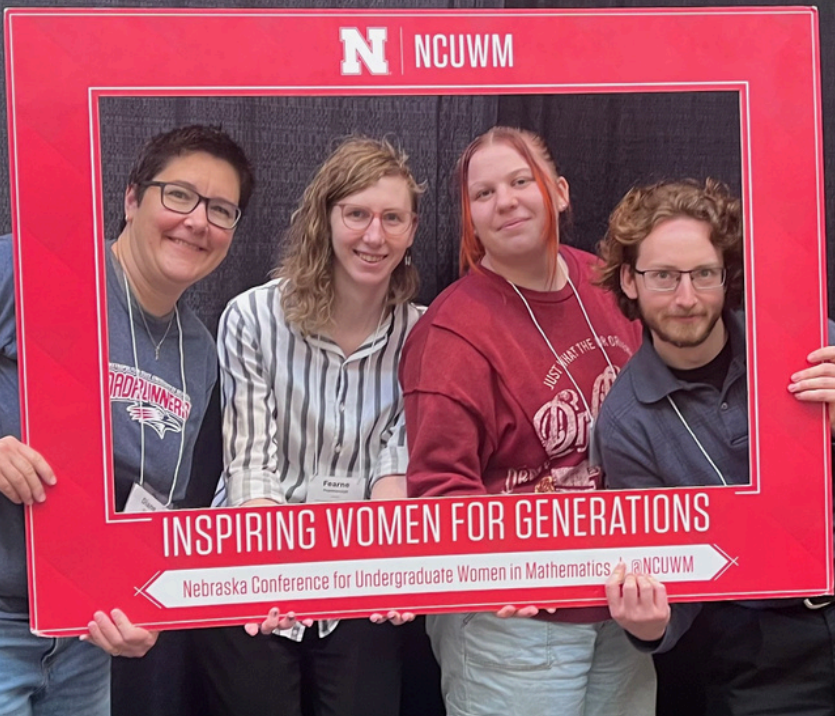
MSU Denver Mathematics and Statistical Science majors attended the Nebraska Conference for Undergraduate Wisdom in Mathematics (NCUWM) early this spring semester.

Fellow Roadrunner Cassandra had this to share about her experience at the conference:

"This conference was so enlightening in helping me understand what my life in mathematics could look like after my undergrad. One of my favorite parts was being able to network with other undergrads and professionals, as many of them had good advice and/or interesting careers that I had never thought of.

I think the biggest piece of advice I learned is that if you are applying to jobs, internships, or REU's the best rule is that if you fit 8/10 requirements that is your sign to apply. I'd 100% recommend this conference to any other mathematician."

Scroll to the next page to see images from the mathematicians' time in Nebraska! Included in the images are MSU Denver Students, DU Students, Dr. Davis and Dr. Schaeffer Fry.





Events & Opportunities

SIAM[®]
FRAMSC

22nd

FRONT RANGE
Applied Mathematics

Student Conference

Saturday, March 7, 2026

8:30 - 3:30

CU Denver, Auraria campus in the
Student Commons Building

2026 SIAM Conference Keynote Speaker

Dr. Joshua French

University of Colorado Denver

Title

Prefiltered Component-based Greedy (PreCoG) Scan Method

Abstract

The spatial distribution of disease cases can provide valuable insights into disease spread and risk factors. Identifying disease clusters correctly can lead to the discovery of new risk factors and inform interventions that can help control and prevent the spread of disease. In this regard, we propose a novel scan method, the Prefiltered Component-based Greedy (PreCoG) scan method, which efficiently and accurately detects irregularly-shaped clusters using a prefiltered component-based greedy search algorithm. The PreCoG scan method is computationally efficient, flexible in its ability to detect irregularly-shaped clusters, while still being powerful and having high levels of sensitivity and positive predictive value. To demonstrate its efficacy, we compare its performance to many other scan-based methods. Additionally, we have included this method in the `smerc` R package to make it easy to apply this method to new data sets. Our proposed PreCoG Scan Method offers a unique and innovative approach to cluster detection that can improve the efficiency and accuracy of disease surveillance systems.

About the Speaker

Professor Joshua French is a statistician and data scientist. He is currently the Director of Data Science at the University of Colorado Denver and an Associate Professor in the Department of Mathematical and Statistical Sciences. He is passionate about using statistics and data science to learn from data, developing software to help others learn from data, and training others to do data analysis. His research uses geographically-referenced data to draw conclusions about ecological anomalies, climate extremes, and disease outbreak.



[For more information including registration link, call for presentors, official poster and location directions please click here](#)



MSU DENVER MATH SEMINAR PRESENTS

Paradoxes and Counter-Intuitive Results

— Dr. Shahar Boneh —

Monday
March 9, 2026

2:00 PM

Science Building,
room 1015

Join us for pizza, soda
and a good talk!



Second Annual Inside the Arts at MSU Denver

Tuesday, March 17, 2026
10:00 am - 3:00 pm
Arts Building and King Center

Are you curious about Art,
Dance, Music, and Theater
at MSU Denver? Come
take a look inside our
amazing facilities and see
what we do! It's an open
house for the Arts!



COME
WATCH
OUR
CLASSES!



Hip Hop

11:00 am - 12:15 pm
Arts Building 295

Stage Combat

12:30 - 1:45 pm
Arts Building 271

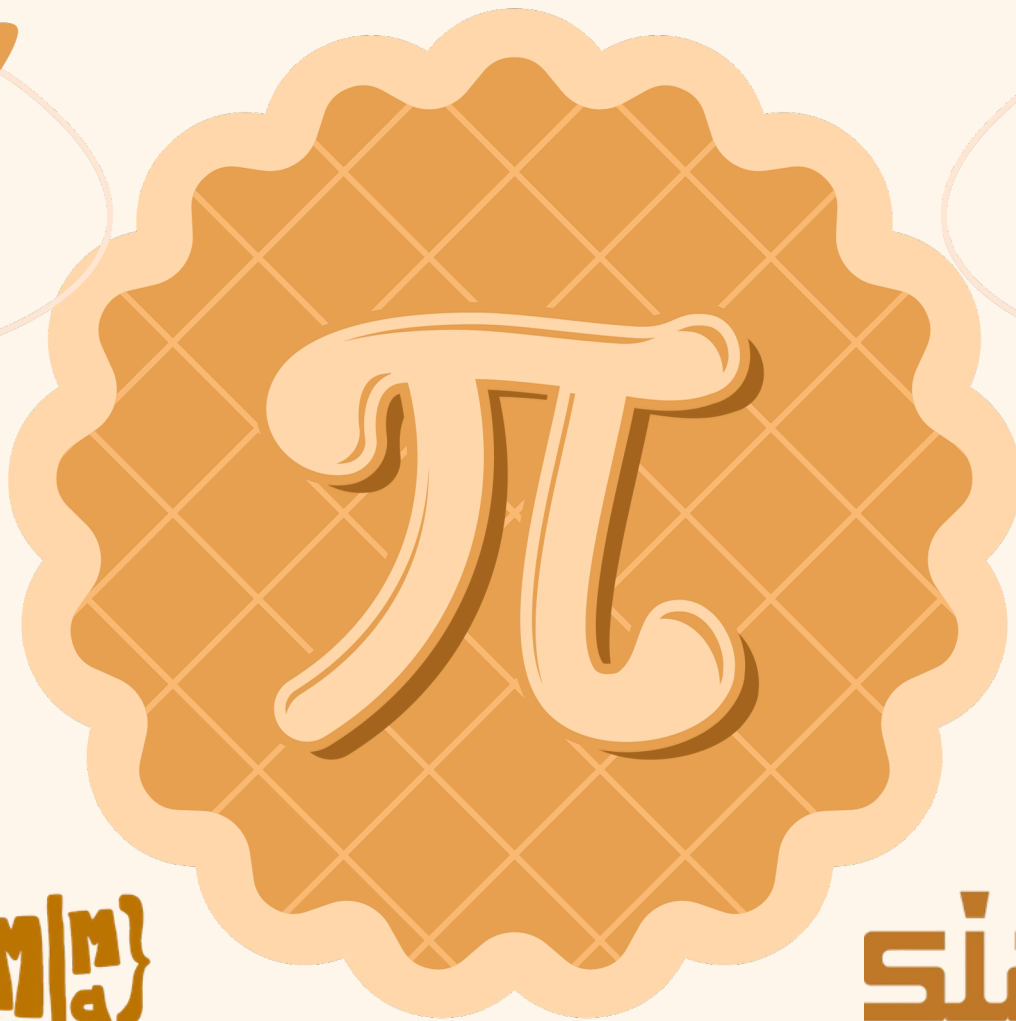
Iron Pour

10:00 am - 3:00 pm
Arts Building 196
and south side of
Arts Building
outdoors

Choir

12:30 - 1:45 pm
Arts Building 293





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siam®

HAPPY PI DAY!

Pi Day is fast approaching and of course
WiMaM (Women in Math at MSU) is celebrating!
It's a great chance for anyone to enjoy the quirky
relationship between math and food!

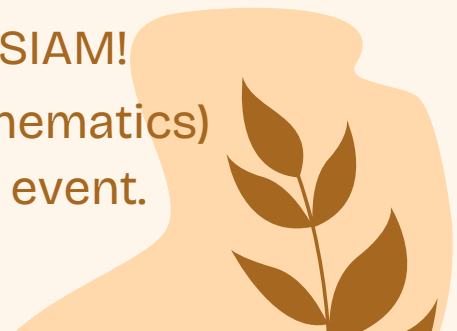
Meet us at **SI 1022 March 12th**

from **12pm-4pm** Or until PI runs out

A big thank you to the faculty and SIAM!

(Society of Industrial and Applied Mathematics)

They have helped fund pies for this event.





Use Your Math Degree to Make a Difference!

Apply to become a Graduate Teaching Assistant at the University of Nebraska at Omaha. Benefits include:

- Earn your Master's Degree in Mathematics for Teaching, Mathematics, or Data Science.
- Get paid! Tuition, stipend, and benefits included.
- Gain experience teaching students.
- Be part of a supportive team.



UNO Application



Mathe **Maverick**

GTA Application



Join MAST Student Orgs

Our students have formed organizations to continue to explore their love of mathematics and statistics, and to also create a stronger sense of student community. These organizations are always excited to accept new members, and they look forward to hearing from you!

Women in Mathematics at MSU Denver (WiMaM): The purpose of WiMaM is to promote the interest of underrepresented and marginalized groups who wish to pursue mathematics by providing academic and career opportunities, as well as by providing an inclusive and supportive community through which members can grow as mathematicians.



Interested in becoming a member?

[Click here to add yourself to the email list survey!](#)



Statistical Science Club of MSU Denver:

Curious where a degree in math, economics, finance, or statistical science can take you? The Stat Science Club at MSU Denver is open to CCD, MSU Denver, and UCD students who want to explore how statistics connects across disciplines. We provide community, study support, and career exploration opportunities in data-driven fields.

✨ Join us and discover how statistics can open doors to your future! ✨



Meet your advisor!

Kayla Myburgh
Academic Advisor

Email: kmyburgh@msudenver.edu

Phone: 303-605-5890

Office Location: SI, room 1030

[CLICK HERE TO SCHEDULE AN APPOINTMENT](#)

Check out the CACED Newsroom!

[CLICK HERE](#)



@msudenvermathstats on Instagram | mathdepartment@msudenver.edu

www.msudenver.edu/math