



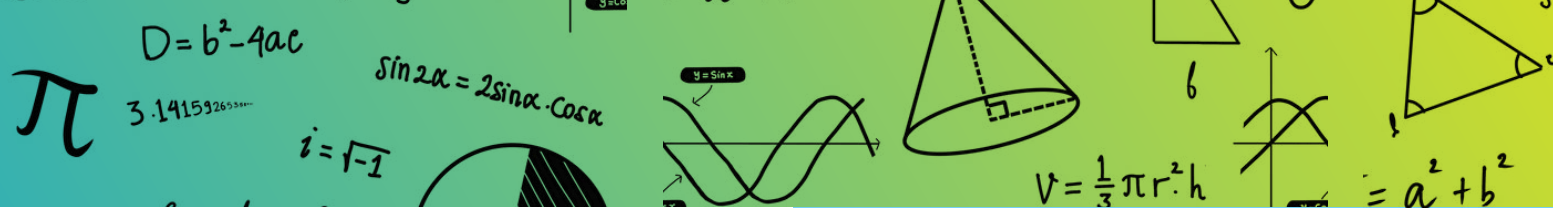
A Program of The Actuarial Foundation

**Modeling the Future  
Challenge**



WATCH OUT, WORLD...  
**THE ACTUARIES** <sup>OF</sup> <sub>THE</sub>  
**FUTURE**  
**ARE COMING**

**FY2024-2025 SPONSORSHIP OPPORTUNITIES**



## What is The Modeling the Future Challenge?

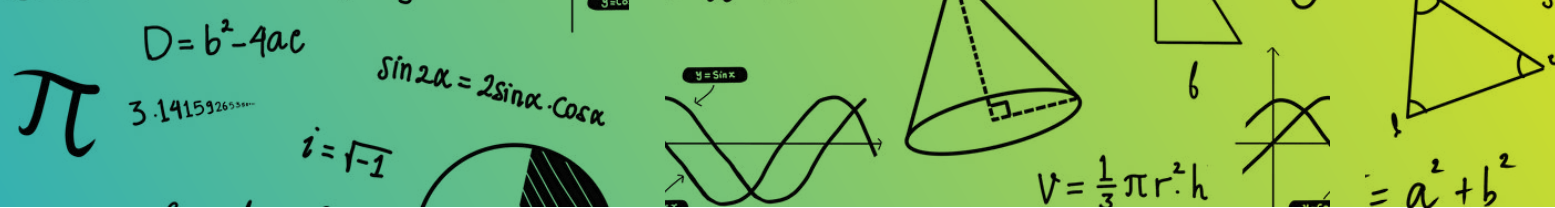


The students, their presentations, and their recommendations are impressive! Check out the titles of this year's finalists:

- Brighten the Future: Restoring Power to the United States
- Fighting Diabetes: An Analysis of Risk and Solutions to America's Diabetes Crisis
- Whether the Weather is Warm, Whether the Weather is Not, We'll Weather the Weather Whether We Like it or Not
- Education Funding's Effect on Socioeconomic Status of a Country
- An Analysis of Artificial Intelligence in Employment
- Dive Deep in the Web: Battling Counterfeits in E-commerce
- Analyzing the Effect of Lifestyle, Dietary, and Socioeconomic Factors on Obesity Trends in the United States
- Risk Analysis of the Causes of Food Deserts
- From Oasis to Opportunity. Replenish the Future
- The Charged Tempest: Assessing Hurricane Impacts on Power Grid Integrity and Social Consequences
- An Analysis on the role of Snap Inc.'s Snapchat on Surging Cases in California Amidst the U.S. National Fentanyl Crisis
- The Math Behind the Mass: An Analysis of Obesity Dynamics
- Guardians of the Digital Galaxy: Predictive Modeling for Cyberbullying Prevention
- An Analysis of Obesity and the Impact on the Labor Market in the United States
- THESE FIRES BE WILDIN': Risk Evaluation Wildfire Insurance Coverage in California

The Modeling the Future Challenge is a real-world competition for high school students combining math-modeling, data-analysis, and risk-management into one exciting competition! More than 2,000 students from across the country participate in the program each year, competing for up to \$60,000 in college scholarships.

To compete, teams of students conduct their own research project modeling real-world data to analyze risks and make recommendations to companies, industry groups, governments, or organizations to solve to solve local, national, and even global issues. Winning teams receive scholarship funds.



## What are people saying about The Modeling the Future Challenge?



**Yuhan Wu, MTFC Participant and Ambassador**

"The MTFC competition provides you with the opportunity to meet with your mentor over Zoom several times throughout the project phase. THIS IS LIQUID GOLD. Mentors are like the Gandalfs of the research world, guiding you through the mysterious realms of data and analysis. Prepare for these meetings as if you're heading into battle (a friendly one, of course). Have your questions ready, share your progress, and soak up their wisdom. Mentors have been there, and done that, and their insights are always valuable for guiding your project forward."



**Channy Cornejo, Math Teacher and Department Chair, Santa Teresa High School, San Jose, CA**

"The Modeling the Future Challenge has been a key part of my AP Statistics curriculum and instrumental in my students' learning during the year. I am always grateful for the opportunity it brings to my classroom and it allows my students to practice the concepts in real world setting."



**Bella Thiel, TAF Robert Shapiro Scholarship Winner and MTFC Mentor**

Bella shares what she loves most about being a mentor:

"Hearing about their really cool ideas and projects that were all different from each other yet all very relevant to today's world."



*See the students in action! Click the image...*



## Let's partner together!

Sponsors of the FY2023-2024 Modeling the Future Challenge will have the opportunity to:

Have direct contact with up to 2,000 high school juniors and seniors with strong math aptitude who will likely pursue STEM careers.

Share information about your company and actuarial team with an engaged audience of high school students and teachers.

Get your employees involved as volunteer mentors for student teams or judges for the competition.

Help develop practice scenarios or example resources on topics like automobile insurance, agriculture, natural disasters, or other types of risk.

Participate in one of six regional workshops that provide an introduction to the Challenge and local university actuarial science programs.

See page 7 for sponsorship opportunities.



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## What Goes into The Modeling the Future Challenge?

### Outreach

The Modeling the Future Challenge is getting noticed! Our outreach efforts include paid advertising, social media, and newsletters targeting high school students and teachers. Last year, more than 226,800 unique people were reached by organic posts, and 13,577 unique website visitors.

EXPANDED!

### Diversity

The Modeling the Future Challenge welcomes teams from public, charter, and private schools as well as from extracurricular organizations across the country. In FY23-24, 30% of participants were from Title 1, underserved schools. Students completing the end of year program evaluation identified as nearly 58% Black, Asian or Native American, with 12% identifying as Hispanic/Latino. Gender representation is slightly higher for males (54%) than females (43%).

INCREASING!

### Mentorship

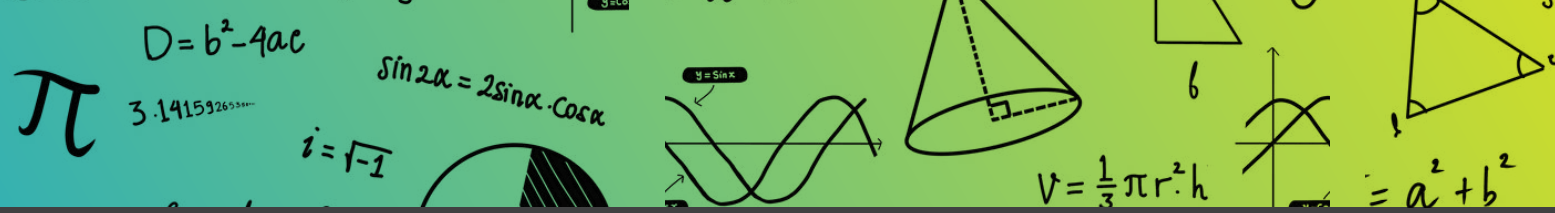
Mentors are integral part of the Challenge, helping teams hone in on the key issues within their topic, assisting students in locating the most useful sources of data and choosing appropriate mathematical models, and reviewing drafts of students' reports. The Mentorship Program is one of the most impactful resources within the Challenge. 100% of educators found the mentorship from actuaries to be Extremely or Very Beneficial. 82% of students stated that they Agree or Strongly Agree that their team's mentor was a great help during the MTFC.

CRITICAL!

### Competition

Student teams compete in an initial Scenario Phase where they work through a guided topic we provide using the 5 steps of the Actuarial Process, followed by a Project Phase where they examine their own topic areas, gather and model data, identify risks, and build their recommendations and presentations. An actuarial mentor is assigned to each team to give high-level actuarial guidance on their research project. Teams are then judged at a regional level and the top 15 move on to the annual national MTFC Symposium in Spring.





## The Modeling the Future Challenge Symposium

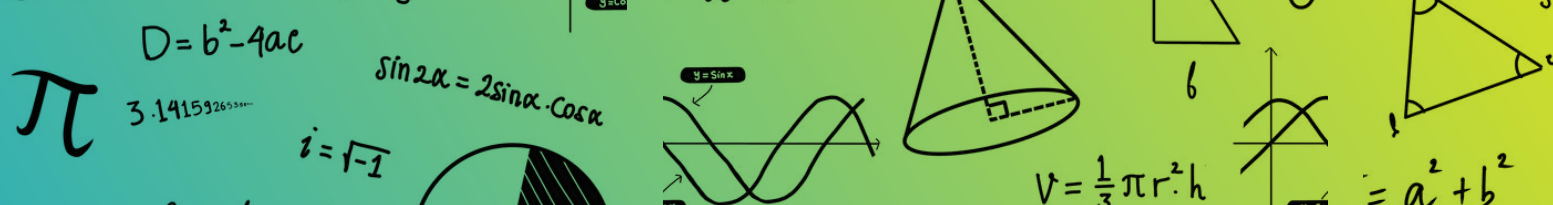


The Modeling the Future Challenge Symposium is a one-of-a-kind event bringing together finalist high school teams and leading actuaries, scientists, and business leaders from across the industry for competition, learning and networking. The Symposium provides an immersive learning experience for students, giving them the opportunity to participate in career sessions, problem-solving activities, and other unique experiences created in partnership with the Foundation's corporate supporters and volunteers.

At its conclusion, four teams will walk away with college scholarships, but all of the participants will have an amazing experience that encourages them to continue pursuing mathematics, data science and research so that they can continue to "model the future."







## Modeling the Future Challenge FY2024-2025 Sponsorship Levels

	Presenting Sponsor of Virtual Symposium \$100,000	Pioneer Level Sponsor \$50,000	Pathfinder Level Sponsor \$25,000	Pacesetter Level Sponsor \$10,000	Builder Level Sponsor \$7,500
Event name recognition: "(Your Company) Presents the Modeling the Future Challenge Symposium"	●				
Company featured in Finalist Announcement Webinar	●				
Opportunity to speak during Closing Ceremony when winners are announced	●				
Featured logo on finalist gifts or opportunity to provide a branded gift to finalists	●				
Logo on MTFC website and during Semi-finalist/Finalist Announcement Webinars, and the Virtual Symposium	●	●	●	●	●
Company featured in Semi-finalist Announcement Webinar		●			
Opportunity to host/participate in a live activity during the Virtual Symposium		●			
Opportunity to participate in a live activity at the Virtual Symposium	●	●	●		
Opportunity to participate in a MTFC webinar that reaches both students and teachers				●	
Logo on MTFC newsletter	●	●	●		
Social media recognition	●	●	●	●	●



# Are you up for The Challenge?

Contact Michael Marion at [Michael.Marion@actfnd.org](mailto:Michael.Marion@actfnd.org) to learn more about becoming a Modeling the Future Challenge sponsor.

