

2024 Pennsylvania Statistical Poster Competition Winners

The Mathematics Department at Saint Francis University is pleased to announce the winners of the 2024 Pennsylvania Statistics Poster Competition. The annual state competition is in its twenty-eighth year overall and coordinated for the sixteenth year by Saint Francis University. Cash awards of \$96 for first place, \$72 for second place, \$48 for third place, and \$24 for fourth place in each of four grade levels are awarded to the students who submitted winning posters. External financial support is provided by several regional and state professional organizations, including the Pennsylvania Council of Teachers of Mathematics, Mathematics Council of Western Pennsylvania, Pittsburgh Chapter of the American Statistical Association, Harrisburg Chapter of the American Statistical Association and Philadelphia Chapter of the American Statistical Association. A statistics poster is a display containing two or more related graphics that summarize a set of data, looks at the data from different points of view, and answers specific questions about the data. The 263 posters submitted electronically included 66 in the K-3 grade category, 57 in the 4-6 grade category, 53 in the 7-9 grade category, and 87 in the 10-12 grade category. These 263 posters were submitted from a total of 446 students! Judging for the state competition was held in April 2024. Winning posters were then submitted to the Data Visualization Poster Competition, which is coordinated by the American Statistical Association. Congratulations to all the students who created and submitted the winning and honorable mention posters, and to the teachers, parents and mentors who guided the students.

Grades K-3 Winning Posters 2024

First Place: Angelina Dinh, *Dirty Secrets in my House*, Rydal Elementary School, Teacher: Pamela DaSilva

Second Place: Garrison Bogust and Jack Ullmann, *Precipitous Plunge*, Owatin Creek Elementary School, Teacher: Kathy Walker

Third Place: Leslie Kuo, *Pizza Hot*, Rydal Elementary School, Teacher: Pamela DaSilva

Fourth Place: Dylan Johnston, *How Fast Can I Build Legos?* Rydal Elementary School, Teacher: Pamela DaSilva

Top Honorable Mention: Julia Diamond and Juliana Katz, *Bubbling Tastiness*, Jacksonwald Elementary School, Teacher: Kathy Walker

Honorable Mention: Veronica McTague, *Here Comes the Granny!* The Baldwin School, Parent: Jaelyn McTague

Honorable Mention: Henry Lurwick and Adrian Aziz, *Here Comes the Pop!* Owatin Creek Elementary School, Teacher: Kathy Walker

Grades 4-6 Winning Posters 2024

First Place: Aadit Dutta, *Prediction of Titanic Passenger Survival Using Machine Learning*, Julia Ward Howe Elementary School, Parent: Partha Dutta

Second Place: Evelyn Kuo, *Wet Brush, the Best Brush!* Rydal Elementary School, Teacher: Pamela DaSilva

Third Place: Etta Permut, *Bullying...Cyber or Physical?* Rydal Elementary School, Teacher: Pamela DaSilva

Fourth Place: Mila Wilderman, *Paper Flight!* Rydal Elementary School, Teacher: Pamela DaSilva

Top Honorable Mention: Lexi Muskin, *Bypass the Gas*, Rydal Elementary School, Teacher: Pamela DaSilva

Honorable Mention: Grace Sullivan, Lucy Kolar and Emily Hubbell, *Chosen Powers*, Highland Elementary School, Teacher: Bonnie Howe

Honorable Mention: Alessandra Garibian, *Rhythm Runners*, Rydal Elementary School, Teacher: Pamela DaSilva

Grades 7-9 Winning Posters 2024

First Place: Catalina Edu, *Are You Smarter than an AI?* Abington Middle School, Teacher: Pamela DaSilva

Second Place: Emily Ditri, *Water Bottles*, Abington Middle School, Teacher: Pamela DaSilva

Third Place: Gemma Tait and Aisling Scanlan, *How Long Does It Take for Bread to Mold?* Abington Middle School, Teacher: Pamela DaSilva

Fourth Place: Isaac Freeman, *Fully Charged*, Abington Middle School, Teacher: Pamela DaSilva

Top Honorable Mention: Storm Sonntag, *Do Middle Schoolers Prove the Theory of Uncanny Valley?* Abington Middle School, Teacher: Pamela DaSilva

Honorable Mention: Swarit Choudhari and Leilah Dinh, *Lights Out! High School vs. Middle School Sleep*, Upper Moreland Middle School, Teacher: Karen Hanssens Wiczorek

Grades 10-12 Winning Posters 2024

First Place: Alan Joseph, *Do Therapy Dogs Help Reduce Stress in Students?* Lower Moreland High School, Teacher: Dennis Murphy

Second Place: Elliana Koulouris and Joseph Discello, *Don't Stop the Music*, Burrell High School, Teacher: Meaghan Volek

Third Place: Ahmed Elmanzalawi, Neal Kochhar and Taiki Murakami, *Facing the Furry Fury with UnBEARable Odds*, State College Area High School, Teacher: Eric Davy

Fourth Place: Lila Pileggi, *Can 4-7-8 Breathing Improve Performance on Balance Beam?* Burrell High School, Teacher: Meaghan Volek

Top Honorable Mention: Taylor Dentzel and Makenzie Schuller, *Is Senioritis Real?* Burrell High School, Teacher: Meaghan Volek

Honorable Mention: Billy Kowalkowski, *Students Opinion on Materialism*, Burrell High School, Teacher: Meaghan Volek

Honorable Mention: Amy Liu, Odessa Gregor and Krystal Nguyen, *Beyond the Ballot: Who Represents You?* State College Area High School, Teacher: Jacob Smith

Honorable Mention: Alexander Garner, *Does Competitive Marching Band Need a Makeover?* Mifflin County High School, Teacher: Kerry Clancy-Burns

Honorable Mention: Ojal Bhattarai, Nicole Lupo and Eleanor Harper, *Wordle Wizards*, State College Area High School, Teacher: Jacob Smith

Honorable Mention: John Cho and Christopher Bahnsen and Caleb Du, *Where do High Schoolers Get Their News From?* State College Area High School, Teacher: Jacob Smith