

2023 Pennsylvania Statistical Poster Competition Winners

The Mathematics Department at Saint Francis University is pleased to announce the winners of the 2023 Pennsylvania Statistics Poster Competition. The annual state competition is in its twenty-seventh year overall and coordinated for the fifteenth 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, Laurel Highlands Mathematics Alliance 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 253 posters submitted electronically included 52 in the K-3 grade category, 73 in the 4-6 grade category, 46 in the 7-9 grade category, and 82 in the 10-12 grade category. These 253 posters were submitted from a total of 452 students! Judging for the state competition was held in April 2023. 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 2023

First Place: Mila John, *Will it Melt?* Rydal Elementary School, Teacher: Pamela DaSilva

Second Place: Bailey Carswell, *Where are You Most Likely to Shoot a PK?* Overlook Elementary School, Teacher: Rich Welsh

Third Place: Henry Lurwick and Jack Murphy, *The Science Behind Rockets*, Owatin Creek Elementary School, Teacher: Kathy Walker

Fourth Place: Sadie Feeney, *A Swift New Album*, Rydal Elementary School, Teacher: Pamela DaSilva

Top Honorable Mention: Etta Permut, *Recycle or Not?* Rydal Elementary School, Teacher: Pamela DaSilva

Honorable Mention: Evelyn Kuo, *Too Hot for a Baby Girl?* Rydal Elementary School, Teacher: Pamela DaSilva

Honorable Mention: Ayden Kim, *Screen Time? Hmmm?* Rydal Elementary School, Teacher: Pamela DaSilva

Honorable Mention: Kay'den Troy, *Let's Go Farther!* Jacksonwald Elementary School, Teacher: Kathy Walker

Honorable Mention: Cora Kehres, Madeleine LaRiviere and Violet Stout, *Flowers: Float or Fall?* Owatin Creek Elementary School, Teacher: Kathy Walker

Grades 4-6 Winning Posters 2023

First Place: Isaac Freeman, *Gotta Step on the Gas*, Rydal Elementary School, Teacher: Pamela DaSilva

Second Place: Colin Fraher, *Hmmm??? Should I Join?* Abington Middle School, Teacher: Pamela DaSilva

Third Place: Orla Martin, *Sleep on It!* Rydal Elementary School, Teacher: Pamela DaSilva

Fourth Place: Lexi Muskin, *The Absorb More War*, Rydal East Elementary School, Teacher: Pamela DaSilva

Top Honorable Mention: Josie Spargo, *Effective Bedtime on Morning Tiredness*, Rydal Elementary School, Teacher: Pamela DaSilva

Honorable Mention: Alex Bryant, *Calling All Birthdays!!* Rydal Elementary School, Teacher: Pamela DaSilva

Grades 7-9 Winning Posters 2023

First Place: Aanya Govil, Ruhi Govil, Sanjana Vemula and Neha Paruchuri, *Bouncing Balls*, Eagle View Middle School, Teacher: Kim Dolbin

Second Place: Prabhu Naga Ratan Konda, *Flashcards vs. Re-reading: Which Study Method Yields Better Test Scores?* Conestoga High School, Parent: Kalyana Rao Konda

Third Place: Catalina Edu, *Does the Early Bird Get the Worm?* Abington Middle School, Teacher: Pamela DaSilva

Fourth Place: Eliot Weber, *Studying SOUPS*, Abington Middle School, Teacher: Pamela DaSilva

Top Honorable Mention: Madison Pasternacki, *How Does Music Education Affect Students?* Cocalico Middle School, Teacher: Olivia Hess

Grades 10-12 Winning Posters 2023

First Place: Maribeth Kelly, Avery Jones and Katelyn Peachey, *Debatable Doom*, State College Area High School, Teacher: Eric Davy

Second Place: Quantum Qiu, Lydia Shen and Ken Yoshida, *Just How Gross are High Schoolers?* State College Area High School, Teacher: Eric Davy

Third Place: Samantha Barrett, Kate Borza, Meredith Zappone and Melanie Rock, *Who has More Emails in their Inbox?* Mount Lebanon High School, Teacher: Heather Pessy

Fourth Place: Mike Guo and Aaron Le, *Are you Smarter than the Average American?* State College Area High School, Teacher: Eric Davy

Top Honorable Mention: Jack Messina, *The MLB's Payroll Problem*, State College Area High School, Teacher: Meghan Doebler

Honorable Mention: Anna Coupland, Sam Currall and Gavin Williams, *Pennsylvania Pride*, State College Area High School, Teacher: Eric Davy