

2022 Pennsylvania Statistical Poster Competition Winners

The Science Outreach Center and Mathematics Department at Saint Francis University is pleased to announce the winners of the 2022 Pennsylvania Statistics Poster Competition. The annual state competition is in its twenty-sixth year overall and coordinated for the fourteenth 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 PA, Harrisburg Chapter of the American Statistical Association, Pittsburgh Chapter of the American Statistical Association, and Laurel Highlands Math Alliance. 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 208 posters submitted electronically included 46 in the K-3 grade category, 97 in the 4-6 grade category, 26 in the 7-9 grade category, and 39 in the 10-12 grade category. These 208 posters were submitted from a total of 350 students! Judging for the state competition was held on April 12, 2022. 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 2022

First Place: Nick Knoble, *Where's My Sweet Spot?* McKinley Elementary School, Teacher: Richard Welsh

Second Place: Sadie Feeney, *A Study for All Seasons*, Rydal East Elementary School, Teacher: Pamela DaSilva

Third Place: Oliver Scaccia, *Bounce the Ball!* Owatin Creek Elementary School, Teacher: Kathy Walker

Fourth Place: Corbin Manke, *Temperatures at 40 North*, Owatin Creek Elementary School, Teacher: Kathy Walker

Top Honorable Mention: Avyan Shah, *Books or TV?* Robison Elementary School, Teacher: Kristen Dahn

Honorable Mention: Scarlet Jordan, *Can You Dig It?* Owatin Creek Elementary School, Teacher: Kathy Walker

Honorable Mention: Landon Green, *Air Power*, Owatin Creek Elementary School, Teacher: Kathy Walker

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

Honorable Mention: Alex Bate, *How Much Time Do You Spend on Electronic Devices for Fun?* McKinley Elementary School, Teacher: Richard Welsh

Honorable Mention: Ivy Glaser, *What Are the Odds?* Copper Beach Elementary School, Teacher: Andrew Hudson

Honorable Mention: Nattai Shoham, *Did Elementary Kids Dream Job Change Since COVID Started?* Rydal East Elementary School, Teacher: Pamela DaSilva

Honorable Mention: Makoto Kawai, *Hot Wheels Triple Loop Track – Which Cars Have What it Takes?* McKinley Elementary School, Teacher: Richard Welsh

Grades 4-6 Winning Posters 2022

- First Place:** Elizabeth Mathai, *Break-Down*, Mast Community Charter School, Mentor: Stacy Steffney
- Second Place:** Emily Weber, *Why is the Elephant Population Declining?* Cambria Heights Elementary School, Teacher: Margo Petre
- Third Place:** Connor Gibbons, *Do People Say Bless You When Their Pet Sneezes?* Walton Farm Elementary School, Parent: Bonnie Gibbons
- Fourth Place:** Erhel Shoham, *Do You Think Plastic Disposable Bottles Should be Used?* Rydal East Elementary School, Teacher: Pamela DaSilva
- Top Honorable Mention:** Erin Park, *Location of Quality Schools and Contributors to the School Quality*, O'Hara Elementary School, Parent: Hyun Jung Park
- Honorable Mention:** Emily Ditri, *Getting Ready in the Morning*, Rydal East Elementary School, Teacher: Pamela DaSilva
- Honorable Mention:** Connor Shannon, *Native to the Neighborhood*, Rydal East Elementary School, Teacher: Pamela DaSilva
- Honorable Mention:** Bobby Arnold, *NBA Standings, Can We Predict?* Rydal East Elementary School, Teacher: Pamela DaSilva
- Honorable Mention:** Peter Zhou, *Covid-19 Cases in the World – Relationship Between Infection and Mortality*, Hershey Middle School, Parent: Chan Shen
- Honorable Mention:** Niko Kerekovic, *Summer Pandemic-amonium*, Rydal East Elementary School, Teacher: Pamela DaSilva
- Honorable Mention:** Orla Martin, *Are you Smarter than a Fourth Grader?* Rydal East Elementary School, Teacher: Pamela DaSilva
- Honorable Mention:** Carlos Hinkel, *Made In ???* Rydal East Elementary School, Teacher: Pamela DaSilva

Grades 7-9 Winning Posters 2022

- First Place:** Madeline Krassner, *Have Our Smiles Grown Over the Past Century?* Abington Junior High School, Parent: Kathryn Duffy
- Second Place:** Ava George and Julia Zhu, *Cookie Crumble*, Greater Latrobe Junior High School, Teacher: Liz Prady
- Third Place:** Jeremy Evans, *How 'Bout Them Apples?* Indian Valley Middle School, Parent: Joel Evans
- Fourth Place:** Alexa Doult and Josh Sterrett, *"Double Stuf" Oreos*, Greater Latrobe Junior High School, Teacher: Liz Prady
- Top Honorable Mention:** Angela Mathai, *Attractions*, Mast Community Charter School, Mentor: Andrick Saralwn
- Honorable Mention:** Gracyn McIntyre, Amber Beckworth and Amir Nicolas, *Which Popcorn is Best?* Monroe Career and Technical Institute, Mentor: Ross Rucshman
- Honorable Mention:** Spencer Steed, *Acceleration or Top Speed?* Cocalico Middle School, Teacher: Michelle Shirey
- Honorable Mention:** Olivia McClellan and Kate Larson, *Average Pages in 50 Novels*, Greater Latrobe Junior High School, Teacher: Liz Prady
- Honorable Mention:** Cody Farabaugh, *Ford vs. Chevy*, Penn Cambria Middle School, Parent: Amanda Farabaugh

Grades 10-12 Winning Posters 2022

First Place: Yunseo Choi, Wenyu Zhuang and Sara Holler, *Parent Free-Health Free?* Linden Hall School for Girls, Teacher: Alyson Longmore

Second Place: Vanessa Fantini and Emma Matlak, *Do Guys Really Invest More Than Girls?* Mount Lebanon High School, Teacher: Heather Pessy

Third Place: Natalie McGee, Hailey Latona, Matthew Baisley and Philip Papurt, *Testing My Patience*, Mount Lebanon High School, Teacher: Heather Pessy

Fourth Place: Rosemary Crist, *Don't Say Gay*, Mount Lebanon High School, Teacher: Heather Pessy

Top Honorable Mention: Dimitry Yergiyev, *Gender, Ethics and Consumption*, Mount Lebanon High School, Teacher: Heather Pessy

Honorable Mention: Melanie Rayl, Grace Elphinstone, Lauren Ghil and Ella Slagle, *Zzz's and Screens: Do Students That Go to Bed Earlier Spend Less Time on Their Phone?* Mount Lebanon High School, Teacher: Heather Pessy

Honorable Mention: Aidan Conway, Carlton Gbur, Liam Byrne and Zac D'Alesandro, *STAT Olympics*, Mount Lebanon High School, Teacher: Heather Pessy

Honorable Mention: Joshua Wang, Antonio Woollard and Cole Descalzi, *Stereotypes in School*, Mount Lebanon High School, Teacher: Heather Pessy

Honorable Mention: Aubree Huntley, *Mask Up*, Mount Lebanon High School, Teacher: Heather Pessy

Honorable Mention: Constantin Matros, *How Do You Write in School?* Mount Lebanon High School, Teacher: Heather Pessy

Honorable Mention: Bradley Evans, *Why is the World Such a Hot Mess?* Souderton Area High School, Parent: Joel Evans

Honorable Mention: Emily Bennett, *Dress for Success*, Bishop Carroll Catholic High School, Parent: Becky Bennett