

ASA Announces 2010 National K-12 Poster and Project Winners

ALEXANDRIA, VA (PRWEB), AUGUST 31, 2010 – The American Statistical Association, (ASA), the nation's preeminent professional statistical society, today announced the national winners of its annual statistics poster and project competitions for K-12 students. The winning entries were displayed at The Joint Statistical Meetings in Vancouver recently. ASA also announced information for teachers about the 2011 poster and project competitions. The ASA Poster and Project competitions are coordinated by the ASA/NCTM Joint Committee on Curriculum in Statistics and Probability and the ASA Center for Statistics Education.

Poster competition

Winning posters, many of which were chosen via regional competitions throughout the country, were selected in four grade level categories: K-3, 4-6, 7-9, and 10-12. Judges selected the winners based on overall impact, clarity of poster message, appropriateness of graphics, originality and creativity, and technical details. The poster competition, now in its 20th year, encourages students to discover the usefulness of displaying data in creative ways. Students work individually or in teams to create a poster that tells a statistical story visually and to illustrate conclusions that can be drawn from data.

First-place winners received \$200, a plaque, a plaque for their school, and graphing calculators from Texas Instruments. Second-place winners received \$100 and a plaque; third-place winners received \$50 and a plaque; and honorable mentions received certificates. Prize winners and honorable mentions are listed below with a link to their winning posters. Images of all the posters listed can be viewed or downloaded at <http://magazine.amstat.org/blog/2010/08/01/posterandprojectaug10/>

Grades 1--3

First place: Bradley Carter, Marissa Folkert, Jacob Larson, Donovan Lance, Elizabeth Visscher
Battle of the Condiments
Holland Public Schools, **Holland, Michigan**

Second place: Madison Avery
What's Your Favorite Board Game?
Collins Elementary, **Grand Rapids, Michigan**

Third place: Sam Boezwinkle
Lotsa Pasta
Thornapple Elementary, **Grand Rapids, Michigan**

Honorable Mentions:

Julian Perez
Season of Birth and Allergies
Rydal Elementary, **Huntingdon Valley, Pennsylvania**

Charlotte Nadel
Analysis of a Piggy Bank
Rydal Elementary, **Huntingdon Valley, Pennsylvania**

Grades 4—6

First place: Max Mairn

Comparison of Steps Per Day: Who Took More Steps?
Thornapple Elementary, **Grand Rapids, Michigan**

Second place: Madeline Paciorek

Is My Hamster Lazy or A-Maze-Ing?
Thornapple Elementary, **Grand Rapids, Michigan**

Third place: Camryn Wojtowicz

Which Brand of Paper Towel Is the Better Bargain?
Lied Middle School, **Las Vegas, Nevada**

Honorable Mentions:

Maren Tornay, Sydney Hirsch, and Madison Coughlin

How Are Today's Teens 'Talking'?
Chalk Hill Upper Elementary School, **Monroe, Connecticut**

Andy Nguy, Joseph Lee, and Shawn Biju

A Shoe for You
Murray Avenue School, **Huntingdon Valley, Pennsylvania**

Grades 7—9

First place: Hanel Baveja

In What Liquids Do Pennies Corrode?
Clague Middle School, **Ann Arbor, Michigan**

Second place: Steven Richards

Titleist Trials
Saltsburg Middle School, **Saltsburg, Pennsylvania**

Third place: Elisa Shibley

Zzzzzz ... How Sleep Affects the Everyday Lives of Teenagers
Black River Public School, **Holland, Michigan**

Honorable Mentions:

Chelsey Koren

Fresh Fruit
Blairsville Middle School, **Blairsville, Pennsylvania**

Fabio Ochoa

Relationship Between GPA and Number of Pets
Los Nietos Middle School, **Los Nietos, California**

Grades 10—12

First place: Kevin Zhang and Sherry Yang

Effectiveness of Antibacterial Soap
Hatboro-Horsham High School, **Horsham, Pennsylvania**

Second place: Joey Hammond and Chris Breden

How Does Enrichment Affect Sensitivity, Specificity, NPV, and PPV?
Mt. Airy Christian Academy, **Mt. Airy, Maryland**

Third place: Katelynn Kozbial

What's Really Under the Sea?

Kensington Woods High School, Howell, Michigan

Honorable Mentions:

Maggie Law

Go for the Gold

Phillips Academy, Andover, Massachusetts

Michelle Fergis and Gustavo Caicedo

Does Physical Activity Affect Academic Performance?

Felix Varela Senior High, Miami, Florida

Project competition

For the Project Competition, students in grades 4–12 posed a question, designed a study to answer the question, collected and analyzed data, answered the question using the results of the analysis, and then reviewed what went well and what areas could be improved. A short write-up of the activity, generally fewer than 10 pages, was submitted to the competition. Each project is read by at least one teacher of grades 6–12 and at least one college-level statistician. Top projects are read and discussed by all judges for a particular grade category, and differences in scoring are discussed until the group of judges reaches a consensus. Judging focused on the design, analysis, conclusions, and reflection of the project, as these affected the students' ability to answer the question being asked. Winning projects, as well as judges' comments on the winning projects, can be viewed or downloaded at <http://www.amstat.org/education/posterprojects/2010posters.cfm>.

Grades 4—6

First place: Andrew Blonsky

Changing Exhaust into Oxygen: Can Algae Survive in a Tailpipe?

Price Creek Independent School, Chapel Hill, North Carolina

Second place: Nishanth Jayram

Fontastic Voyage: A Study of How Books Are Typeset

Sravani Academy, Morgan Hill, California

Grades 7—9

Second place: Anish Bhattacharya

The Effect of Blade Angle and Size on Wind Turbine Performance

Unity Point Elementary School

Makanda, Illinois

Grades 10—12

First place: Omid Esmaili, Randy Weber-Levine, Cristian Marcel, and Eric Rizzo

Edifying Experimentation

Ward Melville Senior High School, Stony Brook, New York

Second place: Maggie Law, Erik Christianson, and Chanel O'Brien

Eating Healthy: An Investigation into the Health Conscious Eating Habits of Teens

Phillips Academy, Andover, Massachusetts

Third place: Two-way tie

Anna Lubitz, Megan Earl, Elizabeth Meshel, and Polina Viro

Multitasking: Does It Work? The Effects of Texting on Recall Ability of AP Statistics Students
Ward Melville High School, East Setauket, New York

Mira Mehta and Joanne Chiao

Clocking in Facebook Hours
Oakton High School, Oakton, Virginia

Honorable Mention:

Christena Swartz and Anna Christianson

C Is for Cookie: Pillsbury vs. Nestle
Walter Payton College Prep, Chicago, Illinois

2011 Competition Entries

Teachers and students are encouraged to submit posters and/or projects for the 2011 competitions. K–12 posters and projects are due April 1. The entry rules and evaluation methods for the poster and project competitions, as well as entry forms, can be accessed on the ASA web site at <http://www.amstat.org/education/posterprojects/index.cfm>. For more information, contact Rebecca Nichols, ASA, 732 N. Washington St., Alexandria, VA 22314-1943; rebecca@amstat.org; (703) 684-1221, ext. 1877.

About the American Statistical Association

Headquartered in Alexandria, Virginia, the American Statistical Association is the world's largest community of statisticians and the second oldest continuously operating professional society in the United States. For 170 years, the ASA has supported excellence in the development, application, and dissemination of statistical science through meetings, publications, membership services, education, accreditation, and advocacy. Its members serve in industry, government, and academia in more than 90 countries, advancing research and promoting sound statistical practice to inform public policy and improve human welfare. For additional information about the American Statistical Association, please visit the ASA web site at <http://www.amstat.org> or call 703.684.1221.

#####

For more information:

Rosanne E. Desmone
703.302.1861 (direct)
703.946.3820 (mobile)
rosanne@amstat.org