

Judging and prizes

Entries will be judged within the four grade-level categories on the basis of



OVERALL IMPACT OF THE DISPLAY

- Does the poster catch your eye?
- Does the poster draw you into the investigation?

CLARITY OF MESSAGE

- Do important relationships and patterns in the data stand out?
- Can conclusions stand alone without the explanatory paragraph on the back?

APPROPRIATENESS OF THE GRAPHS FOR THE DATA

CREATIVITY

CONTENT

- Is the topic important relative to the grade category?



Prizes in the amounts of \$72, \$48, and \$36 will be awarded to 1st, 2nd, and 3rd place in each of the grade-level categories.

Winning entrants' schools will receive plaques signifying the honor. Honorable mention certificates will be awarded also.

Top entries will be submitted to the 2018 American Statistical Association Poster Competition (www.amstat.org/education).

By submitting a poster, students give permission for their work to be displayed at various conferences, special events, in publications and promotional material, and in electronic format on the Internet. Posters become the property of the competition organizers and are not returned.

Additional information

For more details or to arrange for a local statistician to speak to your class, contact one of the following event organizers:

Dan Adrian, Chair	(616) 331-3968	adriand1@gvsu.edu
Kirk Anderson	(616) 331-3674	anderkir@gvsu.edu
Phyllis Curtiss	(616) 331-3363	curtissp@gvsu.edu
Dan Frobish	(616) 331-3028	frobishd@gvsu.edu
Diann Reischman	(616) 331-3365	reischmd@gvsu.edu



Grand Valley State University is an affirmative action, equal opportunity institution. 11/17.

© Grand Valley State University 2017. 17-0520



Department of Statistics
A-1-178 Mackinac Hall
1 Campus Drive
Allendale, MI 49401

2018 MICHIGAN STATISTICS POSTER COMPETITION

FOR
K-12

Sponsored by the Department of Statistics
and the Regional Math and Science Center
at Grand Valley State University

Supported by the Michigan Council
of Teachers of Mathematics



2018 MICHIGAN STATISTICS POSTER COMPETITION

FOR K-12

Why a statistics poster competition?

The *National Council of Teachers of Mathematics (NCTM) Curriculum and Evaluation Standards for School Mathematics* presents the vision that problem-solving is a primary goal of mathematics instruction. The standards recommend student involvement in statistical activities at all grade levels.

The Grade Level Content Expectations for Michigan students include data representation as early as grade 1, numerical summaries in grade 5, probability in grade 6, scatterplots in grade 7, and informal statistical inference in high school.

In all grade levels, emphasis is placed on using statistics to analyze data and draw conclusions. Constructing a statistics poster is a powerful way to attain these goals while having students exercise essential communication skills.

What is a statistics poster?

A statistics poster tells the story of a data set. Numbers and graphs are used to give voice to the truth behind the data. Whether the summary is a bar chart, histogram, or table of numerical summaries, the focus should always be on the meaning behind the data.

In a well-done statistics poster, the reader is able to discover the story behind the data by following the logical progression of the poster. Emphasis is on the visual display of results through well-placed graphs.

Articles describing the creation of a statistics poster and a link to last year's winning posters are available on the competition website at gvsu.edu/stat/poster/.

Who can enter the competition?

All students in grades K-12 residing in Michigan are eligible to participate.

Entries will be judged in four grade-level categories:

K-3 4-6 7-9 10-12

How do I enter?

There is no entry fee! Online registration is available and preferred. Go to gvsu.edu/stat/poster and click Online Registration. Follow the directions to enter each poster separately.

Each entry must include:

- Registration form securely paper-clipped to the poster. Do not permanently affix registration to the poster.
- Description (see rules online) securely attached to the poster back.

NOTE: Multiple entries may be mailed together but must have separate registration forms. Please send entries flat between taped sheets of cardboard. Do not send posters rolled in a tube.

When are posters due?

Posters must be postmarked by March 9, 2018.

Prize winners will be notified by April 8, 2018.

**FOR RULES, REGISTRATION,
AND MORE INFORMATION**
gvsu.edu/stat/poster

REGISTRATION FORM

2018 MICHIGAN STATISTICS POSTER COMPETITION
We prefer you register online at gvsu.edu/stat/poster/. Form may be duplicated. Please print.

Full name of school _____ School Phone _____

School Address _____ City _____ Zip _____

Teacher/Advisor ☐ Dr. ☐ Ms. ☐ Mr. ☐ Mrs.

First Name _____ Last Name _____

Email _____

TITLE OF POSTER _____ Grade Category ☐ K-3 ☐ 4-6 ☐ 7-9 ☐ 10-12

Names of Students (Please print clearly)

	Grade	Mail registration form and poster to:
1. _____	_____	Department of Statistics
2. _____	_____	Michigan Statistics Poster Competition
3. _____	_____	Grand Valley State University
4. _____	_____	A-1-178 Mackinac Hall
		1 Campus Drive
		Allendale, MI 49401-9403