2026 Nevada K–12 Statistics Poster Competition
sponsored by the
Nevada Chapter of the American Statistical Association

Students in grades K-12 are invited to **submit a statistical poster** to compete in the Nevada Competition and be eligible to compete in the National Competition. **Prizes** will be awarded in both competitions. Posters can be created on the computer, or they can be created on a posterboard and photographed for submission. Deadline for submission is **11:59pm, Friday, April 3, 2026**. Nevada prize winners will be announced by April 30, 2026. Winning posters will be forwarded to the ASA National Competition by the Nevada Poster Competition Committee.

What is the purpose of the competition?

To promote and develop quantitative literacy in elementary, middle, and high school grades. State and national standards include problem solving as a critical strand in the learning of mathematics. This competition provides students with an opportunity to express creativity in the graphical analysis and interpretation of data, produced or gathered themselves in a problem-solving atmosphere. Through the contest, students become problem makers as well as problem solvers.

What is a statistical poster?

A statistical poster is a display containing one or more related graphics that summarize data, that examine the data from different points of view, and that answer specific questions about the data. Look at official rules and past winners here: https://community.amstat.org/nevadachapter/k12postercompetition/info

Who may enter the competition?

All students in grades K through 12 in the State of Nevada are eligible to enter, including those in public, private, charter, and home schools. Entries are judged in four grade categories, based on the highest grade represented in a student group: K–3, 4–6, 7–9, and 10–12, and they can be mentored by teachers, parents, or anyone else. **A maximum of 25 posters may be submitted by a single advisor**. If more than 25 are submitted, 25 will be chosen at random for judging. Entrants can submit individually or as a group.

Group size restrictions:
K–3: no group size restrictions
4-12: 1-4 students per team

What is the entry fee?   Entry is **free**.

Who will judge the entries?

Statisticians and educators from the State of Nevada judge all entries. All decisions by the judges are final.

What prizes are awarded?

For the state competition, each of the four grade-level categories will receive cash prizes of $72, $48, and $24 for the 1st, 2nd, and 3rd places, respectively. State winners' posters will then be submitted to the National Statistics Poster Competition sponsored by the ASA. At the national level, first-place winners receive $300, an electronic certificate, and (grades 4-12) grade-appropriate graphing calculators provided by Texas Instruments. Second-place winners receive $200 and a plaque; third-place winners receive $100 and a plaque; and honorable mentions receive plaques.

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How can I donate to the poster competition prize fund?

>   To make a donation, send a check made out to NV-ASA to: NV-ASA, P.O. Box 3311, Sparks, NV 89432.

What are the judging criteria?

- **Clarity** of the message's demonstration of important relationships and patterns, obvious conclusions, and ability to stand alone, even without the explanatory paragraph on the back. How well is the story told?
- **Technical Aspects (Statistical Correctness) –** age-appropriate use of statistical methods, calculations and interpretation
- **Appropriateness** of the graphics for the data.
- **Overall impact** of the display for eye-catching appeal and visual attractiveness; for its ability to draw in the viewer to investigate the individual graphs, readability, and neatness.
- **Creativity (Design) –** data collection methods, sample size issues, who cares factor

Guidelines: Posters must meet all requirements or they will be disqualified.

- Posters must be the original design and creation of the entrants themselves. Computer graphics may be used.
- AI tools, such as ChatGPT, cannot be used in the creation of the poster. Any evidence of AI use will result in disqualification of the poster.
- Subject matter is the choice of the participant(s).
- Poster size:
    - Physical posters should be 18-24 inches long and 24-30 inches wide. Text should be at least ½ inch height. Please check that the photograph of the poster can be clearly read by judges.
    - Electronic posters should be created as a single PowerPoint or Google slide. Make sure all text and graphs are clear and visible when you zoom in.
- Technical requirements:
    - Grades 4-12: **At least two graphs are required**. There must be at least two graphs that summarize different aspects of the data. Multiple representations of the same information are considered a single graphic.
    - **Graphs should comprise 75% of the poster space**.

Poster Submission: Two files must be submitted.

Neither of the submitted files can include identifying information about the team, mentor, class, or school. Submit the poster, data source, and information at: https://forms.gle/BzU4eBSnmsiYFsKV7. You will need to log into a Google account to access the form. We will not be able to see your email or account, and it does not have to be linked to the applicants.

1. Poster in PDF, PowerPoint, or image (JPG, PNG) file format.
2. A data source file in text, Word, or PDF format, which includes:
    a. An example of the original data
    b. Brief description of method of data collection
    c. Purpose of the investigation
    d. If appropriate, cite references for published data

Questions? Contact Alicia Hansen at achansen@sbcglobal.net

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Judging rubric:

Rubric for the Judging of Data Visualizations

Score	Overall Impact of the Display (Poster Design) Poster design aspects, colors/patterns, grammar, spelling, dimensionality, readability, neatness	Technical Aspects (Statistical Correctness) Age appropriate use of statistical methods, calculations, and interpretation	Clarity of the Message (Statistical Process) How well is the four-step investigative process* implemented? How well is a story told?	Appropriateness of the Graphs for the Data Statistical Appropriateness of Graphics	Creativity (Topic is of Interest) Data collection methods, sample size issues, who cares factor
5	Poster uses colors/patterns well. Correct grammar and spelling are used. Poster is neatly constructed, including good use fonts, pictures, and extras. Addresses multiple dimensions of the question or problem. Readable and neat. The overall display is eye-catching but retains statistical substance.	Statistical methods used are appropriate to the question being addressed and the data being analyzed. Sufficient information to suggest statistics are calculated correctly. No errors in interpretation.	Question or purpose is clearly stated, and the presentation leads to the conclusion on a path that is easy to follow. The results of the study are immediately obvious to the viewer.	Graphs are appropriate for the question asked and the data used. Graphs are correctly constructed.	Overall question is interesting, phrasing of titles, captions, and question is creative. Shows creative thought in topic, graph design, or data collection. Data collected appropriately. Answers an important topic.
4	Better use of colors/patterns would help the presentation, but in general the poster grabs the attention of the viewer. Correct grammar and spelling are used. Addresses multiple dimensions of a question. Level of neatness and size of fonts do not detract from the message.	Appropriate use and interpretation of statistical methods but lacking clarity in calculations.	One or two steps in the progression from question to conclusion are missing or difficult to follow.	Minor errors are present in at least one graph. More appropriate display(s) would improve the presentation.	Overall question is interesting. Some creativity in design or data collection. Collects appropriate data.
3	Use of more or different colors/patterns, would vastly improve the appeal of the poster. Minor grammar and/or spelling mistakes. Addresses multiple dimensions of a question. Readability or neatness detract from the overall appeal of the poster.	Minor errors in choice of statistical method selection, calculations, or interpretation.	More than two steps in the progression from question to conclusion are missing or difficult to follow. The information on the back is needed to confirm.	Significant gap exists in the demonstration of understanding of the graphs, or how the graphs relate to the purpose of the poster.	Overall question is interesting. Some creativity. Minor issues with data collection.
2	Serious problems with colors/patterns, grammar, spelling, neatness, and/or organization prevent the poster from being eye-catching and understandable. Multiple dimensions of the question addressed.	Major conceptual errors in method selection or interpretation.	The information on the back is required in order for any relationships in the poster to be understood.	Substantial errors in the graphs lead to invalid or inappropriate conclusions.	Minimal creativity. Topic is of minimal interest. Data collection could be improved.
1	The poster isn't consistent with colors or patterns and has multiple grammar and/or spelling errors, so much so that it severely distracts from the poster. The poster is unidimensional. Major neatness or readability issues.	Little evidence of statistical calculation or analysis.	The poster is virtually incomprehensible.	The displays are inappropriate and incorrect (i.e., 3-D bar charts and pie charts where third dimension is unnecessary or visually misleading) for the research question and data types. The question is badly misunderstood and the results are nonsensical.	The poster demonstrates little or no creativity or improper data collection methods.

Penalties: Use of Space for Graphics: < 75% (excluding title block) deduct 2; < 50% deduct 4; <25% deduct 6. **Inadequate Size of Text** (except for plot symbols) < half inch, deduct 2
Improper Poster board Size: measurements not between 18 and 24 inches high and 24 and 30 inches wide, deduct 3
* GAISE four-step investigative process: 1. Formulate Questions; 2. Collect Data; 3. Analyze Data; 4. Interpret Results (http://www.amstat.org/asa/files/pdfs/GAISE/GAISEPreK-12_Full.pdf)