

**ROBERT V. HOGG AWARD FOR
EXCELLENCE IN TEACHING INTRODUCTORY STATISTICS**
by the Special Interest Group of the Mathematical Association of America (SIGMAA) on
Statistics and Data Science Education

Purpose

This award provides recognition to an individual who has been teaching introductory statistics at the college level for between three (3) and fifteen (15) years, and who has shown both excellence and growth in teaching during that time. It is named in honor of Robert V. Hogg, winner of numerous teaching accolades including the Iowa Governor's Science Medal for Teaching in 1990 and the MAA's Distinguished Teaching award in 1993. Hogg was also a passionate advocate for statistics education who served as the President of the American Statistical Association in 1988.

Nominations will be solicited from all MAA Members and Chairs of departments of mathematics. Self-nominations are also accepted and encouraged. *We especially welcome nominations of faculty coming from a mathematics background, although all eligible candidates are encouraged to apply.*

Eligibility

- The nominee must have at least three (3) years experience, but no more than fifteen (15) years experience in teaching introductory statistics at the college level (not including the current year). These include four-year colleges and universities and two-year and community colleges.
- The nominee **must hold membership in the Mathematical Association of America (MAA)**, but does not need to be a member of the SIGMAA on Statistics and Data Science Education. The nomination letter must detail the nominee's level of involvement in the MAA.
- Previous winners of this award and current award committee members are ineligible.

Award

During the fall following the nomination deadline, one nominee will be selected to receive the *Robert V. Hogg Award for Excellence in Teaching Introductory Statistics*, with the announcement of the award recipients to be made in fall. The award will be given in years in which the SIGMAA on Statistics Education and Data Science Executive Committee determines that the budget of the SIGMAA on Statistics and Data Science Education is sufficient to support the prize. The award recipient will receive a plaque, and a \$500 stipend, and receive a one-year complimentary membership for the SIGMAA on Statistics and Data Science Education (if not already a member).

The award will be presented at MathFest in August during the Business Meeting of the SIGMAA on Statistics and Data Science Education.

Nominations will be evaluated by the *Robert V. Hogg Award for Excellence in Teaching Introductory Statistics* Award Committee, which is composed of:

- the Past-Chair of the SIGMAA on Statistics Education (Chair of the Committee)

- the Chair of SIGMAA on Statistics Education
- the Chair-Elect of SIGMAA on Statistics Education
- two former award winners

Nomination Guidelines

Nominees will be evaluated on the basis of a nomination packet documenting the nominee's excellence and growth in teaching introductory statistics. Each nomination packet should include a

- a. cover sheet,
- b. a nomination letter,
- c. the nominee's curriculum vitae,
- d. the nominee's statement of teaching philosophy,
- e. a summary of the nominee's teaching evaluations, and
- f. at most four letters supporting the nomination. At least two of these letters should come from former students and at least one letter should come from a colleague of the nominee.

Each part of the nomination packet should provide specific evidence related to the nominee's excellence and/or growth in teaching of introductory statistics at the college or university level.

Past nominations will be held over for two years, for a total of three years of consideration, as long as the nominee remains eligible. However, the nominee is welcome to revise their packet and reapply if they desire.

Organization and Submission of the Nomination Packet

In order to facilitate the review process, nomination packets should maintain a similar order and appearance among the included documents as indicated below. Throughout the materials, the committee will be evaluating evidence that the nominee demonstrates

- growth in teaching introductory statistics,
- use or development of innovative/modern pedagogy in introductory statistics,
- impact on students in introductory statistics

Additional consideration will be made for

- instructors with a primarily mathematical background,
- involvement with the MAA community, and
- impact on the introductory statistics community.

- a. The cover sheet (to download, go to <http://sigmaa.maa.org/stat-ed/>, and click on the "nomination materials" link). Please type the nominee's information into the cover sheet.
- b. A nomination letter of no more than three pages (using a 12-point font, one-inch margins, and 1.5 line spacing), presenting the full case for the nomination as well as summarizing the nomination packet, with specific reference to the criteria listed in these guidelines.

This letter forms the basis of the nomination and is extremely important for the review process. The author should describe the nominee's qualifications and other relevant criteria, focusing on specific details. The aim of this statement is to set out a convincing and detailed case for the nominee's excellence and growth in teaching introductory statistics at the college

level. Since this award is for MAA members, the nomination letter should also detail involvement in the MAA, such as conference presentations, leadership, etc. The nominee's curriculum vitae of no more than four pages (using a 12-point font, one-inch margins, and 1.5 line spacing) organized according to the following rubric:

- Education
 - Teaching Experience
 - Program and Curricular Development Related to Teaching/Learning
 - Outreach and Other Activities Related to Teaching/Learning
 - Publications Related to Teaching/Learning (a summary list of the nominee's most important published works related to Teaching and Learning), if any
- c. The nominee's statement of teaching philosophy of no more than two pages (using a 12-point font, one-inch margins, and 1.5 line spacing) addressing his/her conception of teaching and learning and a description and justification of teaching methods. This narrative should also demonstrate that the nominee has been reflective and purposeful about his/her teaching, as well as communicate his/her goals as an instructor and corresponding actions in the classroom.
- d. A narrative summary of the nominee's teaching evaluations of no more than two pages (using a 12-point font, one-inch margins, and 1.5 line spacing) that documents excellence and growth in teaching introductory statistics. This narrative should be supplemented with evidence from the nominee's teaching evaluations. Evaluations referenced may be performed by students or by faculty, but should be official evaluations used in the institution's faculty review process.

When including teaching evaluation data, give an indication about when and how the evaluations were collected. Be sure to also include course names, quarters/semesters/years taught, number of students in class, number of students providing responses or number of faculty involved in the evaluation, etc. If the responses are quantitative, include a description of the scale (e.g., if the scale is 1–5, state whether 5 is “excellent” or “poor”). If students or faculty were asked to address specific topics, mention them.

- e. Up to four supporting letters, each no longer than two pages **(using a 12-point font, one-inch margins, and 1.5 line spacing)**. At least two of these letters must come from former students and at least one letter should come from a colleague of the nominee. In all cases letter writers are encouraged to cite specific examples in support of the nominee's excellence and/or growth in teaching introductory statistics at the college level.

Complete nomination packets need to be submitted before the deadline, and must be submitted electronically as ONE (1) PDF document to the contact described on the section web site. No person may nominate more than two candidates for this award per year.

Responsibilities of the Award Recipient

The award recipient will be responsible for providing a current photograph and general personal information the year the award is presented. The SIGMAA on Statistics and Data Science

Education uses this information to publicize the award and prepare the prize. The award recipient should also be willing to serve on the Awards Committee for two years.