Qualifications for Teaching STAT 342

Description

STAT 342 is an upper-division course on SAS programming for data management and basic statistical analysis. The course is required for students in the Statistics major and honours programs, and is often also taken by students in the Actuarial Science and Statstics minor programs. The prerequisites for the course ensure that students have done statistical analyses using regression, and many (but not all) may know ANOVA and contingency table analysis. However, they are not guaranteed to have experience with programming languages. Some may have experience with R, but for most, this will be their first experience with SAS. Note that SAS may be accessed via either free SFU download for students (http://www.sfu.ca/itservices/technical/software.html), or an online web application hosted by SAS (https://www.sas.com/en_ca/software/university-edition.html)

Qualifications

Education:

- **Required:**
    - An M.Sc. or Ph.D. in Statistics or a closely related field (e.g., Biostatistics or Actuarial Science), OR
    - An M.Sc. or Ph.D. in another discipline, accompanied by evidence of successful completion of sufficient course work in Statistics (e.g., equivalent to at least a minor in Statistics). Evaluation of the adequacy of this qualification is at the chair's discretion.
    - Experience programming in SAS.
- **Recommended:**
    - A Ph.D. in Statistics or a closely related field.
    - Completion of teaching workshops, certificates, or other formal instruction in teaching.
    - One or more SAS programming certificates

Teaching Experience:

- **Recommended:**

- o Prior teaching experience with good evaluations.
- o Familiarity with course delivery systems (especially Canvas)

Practical Experience:

- **Recommended:**
  - o Accreditation from some statistical society.
  - o At least one year in industry or government as statistician or similar job.

Communication:

- **Required:**
  - o Excellent oral and written communication skills

Applicants who have not previously been employed by the department may be required to give a guest or mock lecture to demonstrate teaching ability.

For more information, please contact the department chair at stchair@sfu.ca.

Last Modified 19 June 2019.