Qualifications for Teaching STAT 341/641

Description

STAT 341/641 introduces the R statistical package for use in the statistical treatment of data. Students will have previously received training in Statistics and this course is required for those doing a Major in Statistics. Topics that are covered include basic data management tasks (e.g., downloading and installation), reading and writing of data in various formats (e.g., text files, spreadsheets) and SQL queries. Manipulation of data through the use of R functions, looping and other control-flow constructs is introduced. The exploration of data is also taught including the creation of visual displays and the analysis of data arising in various formats. Data simulation and resampling also form part of the course.

Qualifications:

• **Required:**
  - expertise in R
  - 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.

• **Preferred:**
  - A Ph.D. in Statistics or a closely related field.
  - Completion of teaching workshops, certificates, or other formal instruction in teaching.

Teaching Experience:

• **Preferred:**
o Prior teaching experience with good evaluations.
o Experience teaching introductory Statistics and/or teaching in a large lecture theatre are especially valued.
o Familiarity with course delivery systems (especially Canvas)

Communication:

- **Required:**
  - 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.

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