

About this course

BIOST 563 is intended for students between first and second year of the Biostatistics graduate program. Starting in 2012, it represents an expansion of the poster-producing sessions run in Summer 2010 and 2011, as well as the [Summer Computing sessions ↗](#) (<https://portal.biostat.washington.edu/computing/scs/>) previously run by students in the department.

Course structure

The core of the course will be 10 informal sessions. These will be taught at an introductory level, assuming only 1st year material, in particular the 561/562 R course. Similarly to 561/562, homework exercises will be provided to reinforce the material, and to encourage students to experiment with the new tools they have seen; suggested solutions will be provided. To allow for (inevitable) absences at different points over the summer, most topics will be presented in stand-alone sessions.

Learning Objectives

At the end of the course, students should be able to;

- Use good research practices, when searching and reviewing literature
- Identify appropriate software for statistical computing projects, and for the production of research reports and poster presentations
- Approach advanced programming projects in a methodological manner, and to be aware of how to make best use of extensive programming effort
- Disseminate the findings of biostatistical research projects through appropriate graphical summaries, and convey these results to the scientific community by producing and presenting effective posters

Assessment

This two-credit course will be graded Credit/No Credit. To earn Credit, students must make good-faith attempts at the homework exercises for 8/10 sessions, and must produce and present a poster at the Fall retreat. Enrollment for only one credit is not offered.

Examples

Students posters from 2012 are [available online ↗](#) (<http://faculty.washington.edu/kenrice/allposters2012.pdf>). Many other 563 project posters from last year can be seen around the department and they can also be downloaded [here](#) (<https://canvas.uw.edu/courses/1048655/files/37426590/download?wrap=1>) ↗ (<https://canvas.uw.edu/courses/1048655/files/37426590/download?wrap=1>) (as a zip file).