Biostatistics I

Course Director: Daniel Byrne, MS
Fall [4 hours credit] Byrne

This course will teach practical, modern biostatistical skills and help the student to become multilingual regarding statistical software. Students will use several statistical software packages to learn data analysis methods for reproducible research using actual clinical research data sets. Students will also learn about statistical power and sample size calculations using the software PS and nQuery Advisor. An emphasis will be placed on performing statistical analyses and interpreting output. Commonly used statistical methods will be explained as well as the techniques that experienced biostatisticians use to analyze data.

Texts & Readings:

- An Introduction to Stata for Health Researchers. 4th edition. Svend Juul and Morten Frydenberg. 2014 Stata Press


Software:

R
SPSS
STATA
PS
nQuery Advisor