

Learning Objectives:

STAT 446/646 is an applied statistics course covering the analysis of “-omic” data with R. At the end of the semester, students will be able to use R to:

- work with R packages from Bioconductor.
- analyze genomic sequence data.
- analyze expression microarray data.
- analyze genome-wide association study data.
- analyze next-generation sequencing data.
- analyze mass spectrometry data.
- analyze protein structure data.
- perform classification analysis on -omics data.