

Bios 555: High-throughput data analysis using R and Bioconductor

Homework 1

The written assignment is due on **September 4th, Sunday by midnight**.

1. Review slides.
2. Read Wikipedia pages for DNA, gene, genome, DNA microarray and DNA sequencing.
3. Install R and Bioconductor on your computer.
4. Start to learn R by reading "R for beginners":
http://cran.r-project.org/doc/contrib/Paradis-rdebuts_en.pdf
5. Written assignment: answer the lab assignment questions (5 points each) and write a short report including descriptions, figures and statistical analysis results to summary the findings from exploring human genes (35 points).