Statistics For Genomics – Reading Assignment 1

Due: April 1st At the Beginning of Class

Read the papers


Briefly Answer Each of These Questions:

• What percentage of the genes was found to be differentially expressed between the two populations by Spielman et al.? Intuitively, does this number seem believable? Why or why not?
• We discussed the difficulties with the study design employed by Spielman et al. in class. What would have been a better way to design the experiment? Other than study date, what are some other variables that may be important to take into account?
• Do you think the response by Spielman et al. adequately addresses the concerns raised by Akey et al.? Why or why not?