

Statistics 446/646, Spring 2019

Homework 3

Both Local & DL Students: Submit assignment through Ecampus. Please save your submission as a PDF, with format “lastname_firstname.pdf” Include all R code.

1. Read the minfi tutorial

<https://www.bioconductor.org/help/course-materials/2015/BioC2015/methylation450k.html>

2. Read the Breacher_analysis2.pdf (eCampus → Assignment). Take the RGset data, the phenotype data (uploaded at eCampus) and perform the following steps
 - i Normalize the data using SWAN normalization.
 - ii Recreate all the plots from the Breacher_analysis2.pdf (except the sex plot).