Seminar III: R/Bioconductor

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Leonardo Collado Torres

Bachelor in Genomic Sciences (LCG), UNAM, Cuernavaca, Mexico

lcollado@lcg.unam.mx

http://www.lcg.unam.mx/~lcollado/

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Assistants: Alejandro Reyes areyes@lcg.unam.mx, José Reyes jreyes@lcg.unam.mx and Víctor Moreno jmoreno@lcg.unam.mx

Note: Questions through the forum please. Those who are not from the sixth LCG generation send us an email so we can register you on the forum.

Abstract

The following exercise will make sure that you can use the RMySQL package.

1 RMySQL

- 1. Use RMySQL to access your own database from the Bioinformatics and Statistics I course.
 - > library(RMySQL)
 - > con <- dbConnect(MySQL(), user = "mnoe", password = "eonm", dbname = "prom
 - + host = "mitla.lcg.unam.mx")
 - > dbListTables(con)

- 2. Use a query to retrieve data and make a plot :)
 - > df <- dbGetQuery(con, "SELECT * FROM Promoter")
 > dim(df)
 - / uim(ui)
 - > library(lattice)
 - > densityplot(~pos_1 | as.factor(promoter_sigma), data = df)
 - > dbDisconnect(con)
- 3. If you don't have your own database, let me know.

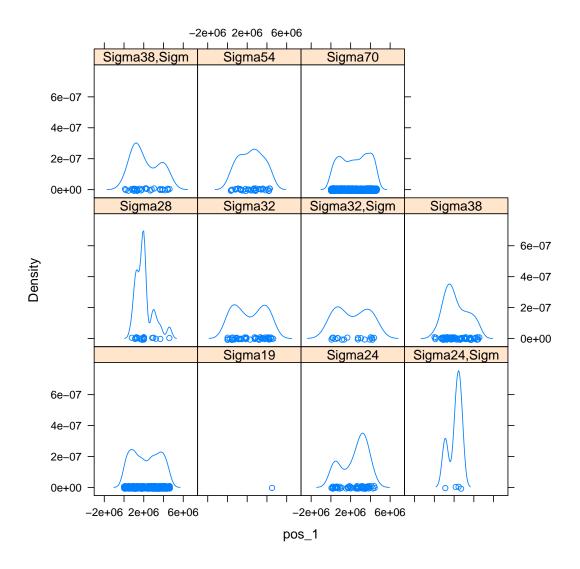


Figure 1: Densityplot for the pos_1 by promoter_sigma type