

Assignment 1

Statistical Learning – Winter 2015

Assignment date: 1393/12/05

Due Date : 1393/12/19

As discussed in class we will use the course textbook for this assignment. The PDF of the book is available for free from: <http://www-bcf.usc.edu/~gareth/ISL/>. You might need some packages or datasets that can be download from the same webpage. For the lab section, you need to install “R” and “R-studio”.

Please submit your thoughts on the following exercises. Do not forget to include your codes if you use “R” for any section.

Chapter 2

Question: 5

Lab: Question: 8

Chapter 3:

Questions: 3, 4, 7

Lab: Question: 9, 10, 14

Note 1: This is not a group assignment. You can of course discuss them with each other or post questions to our google-group, but each of you should submit your individual results that is written solely by yourself.

Note 2: if somebody post a question to the group, I encourage all of you to try to answer it if you can. This way you can ask more questions (knowing that you are asking it from you friends) and hopefully learn more.

Note 3: The exercises in this assignment are straightforward but it may take a fair amount of time as you need to get used to working with “R”. So, start working on it as soon as possible.