

# Problem Set #7

*Econ224*

*Due Date: Sunday, October 28th by 11:59pm*

## Instructions

Submit your code and solutions to the following questions as an RMarkdown document. In particular, upload both the `.Rmd` file you used to generate your report and the resulting `.html` output to *canvas* by the due date listed above. You *must* upload both the `.html` file and the `.Rmd` file to be awarded credit for this assignment. Note that this means ensuring that your `.Rmd` file knits successfully. Please do not upload files in other formats such as pdf, Microsoft Word, etc. You may discuss this problem set with your classmates, provided that you adhere to the *empty hands* policy: after any such discussion, all parties must leave the room *empty-handed* i.e. without code files or written notes or any kind. In other words, the final code and write-up that you produce must be entirely your own work. If you discuss the problem set with any other students be sure to list their names at the top of your problem set. You are likewise welcome to consult printed or internet resources provided that you cite them. Violations of this policy constitute cheating and will be reported to the Office of Student Conduct.

## Questions

1. Complete Problem #5 from Chapter 5 of ISL.
2. Complete Problem #8 from Chapter 5 of ISL.
3. Complete Problem #9 from Chapter 5 of ISL.
4. Complete Problem #8 from Chapter 6 of ISL, but skip any parts of the question that ask you to use LASSO, i.e. part (d) and half of part (f).