STA6703 SML HW7

Directions

Please submit **ONE PDF** file including all your reports (answer + code + figures + comments; must be easily readable and have file size under a few megabytes) and **ONE R code script**. The R script is supplementary material to ensure that your code runs correctly. If you are using RMarkdown, please also include your `.Rmd` file. If using Python, please submit the Python notebook/script in lieu of the R script.

Place these two (or three) files in a folder, make a zip or rar archive, and submit the archive electronically via Dropbox file request at `tinyurl.com/nbliznyuk-submit-files` (on the landing page, enter your name so that we know it is you and email so that you get a confirmation).

Please **submit only ONE solution** on behalf of the entire work group, **NOT separate/individual solutions** by different group members. You can have multiple submissions, in which case only the most recent will be graded.

Deadline: 10-Nov-2022, 10:00 PM EST.

Practice/Optional Problems (do not submit)

1. Complete the R tutorial for the ISLR chapter 7. You may find the Youtube videos by Trevor Hastie helpful; for links, see file `!_youtube_lab_links.txt` in the subfolder `"[2].code/islr_labs/"`
2. ISLR ch.7: 9, 10
3. Play with the gam function in the mgcv library; (this is highly optional for this course, and won't be tested on a quiz, but may be very helpful for your own research work)

Required Problems (for submission)

ISLR ch.7: 1, 2, 3 (try doing plots using R), 6, 10