

Homework 8

Due May 13, 2020 (by 11:59pm)

Question 1:

Consider a dataset called `homework8data.csv`. The dataset can be downloaded from Blackboard.

- The dataset contains some variables related to states of U.S.
- Please treat *life expectancy* as the response variable y .
- Predictors x_i :
 1. population;
 2. per capita income;
 3. murder rate;
 4. % of high-school graduates;
 5. mean number of days with min temperature < 32 degrees;
 6. land areas in squared miles; (7) literacy.

Use [backward selection](#) and [forward selection](#) to find useful predictors and to build a final multiple regression model (Do it manually without `step` function and then do it with `step` function).