Homework 7

Due: Thursday 4/09/20 by 8:30am

1. Problem 6.5 from the `.pdf` version of the textbook, parts (a)-(d). Requires use of the `brand_preference` data that has been posted on the Homework page. We have not explictly covered the idea of making a correlation matrix in class, but you have the tools to do so. Simply make a table that contains the correlations between the response Y and the predictors X_1 and X_2 like the one shown in Figure 6.4 (b) in the `.pdf` version of the textbook.
2. Problem 6.6 from the `.pdf` version of the textbook, parts (a)-(b). Requires use of the `brand_preference` data that has been posted on the Homework page.
3. Problem 6.7 from the `.pdf` version of the textbook, part (a). Requires use of the `brand_preference` data that has been posted on the Homework page.
4. Problem 6.9 from the `.pdf` version of the textbook. Requires use of the `grocery_retailer` data that has been posted on the Homework page. Again, we have not explictly covered the idea of making a correlation matrix in class, but you have the tools to do so. Simply make a table that contains the correlations between the response Y and the predictors X_1, X_2, and X_3 like the one shown in Figure 6.4 (b) in the `.pdf` version of the textbook.
5. Problem 6.10 from the `.pdf` version of the textbook, parts (a)-(d). Requires use of the `grocery_retailer` data that has been posted on the Homework page.
6. Problem 6.11 from the `.pdf` version of the textbook, part (a). Requires use of the `grocery_retailer` data that has been posted on the Homework page.
7. Problem 6.22 from the `.pdf` version of the textbook.
8. Problem 6.25 from the `.pdf` version of the textbook.
9. Problem 6.27 from the `.pdf` version of the textbook.