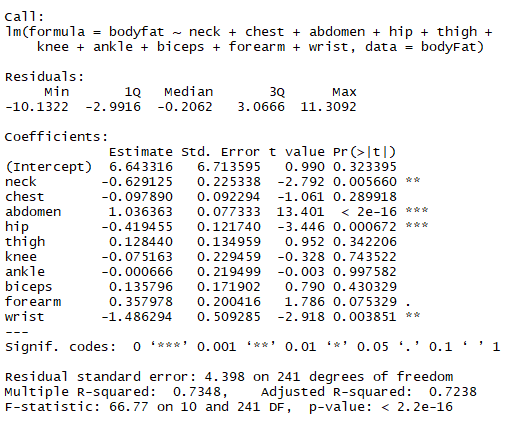
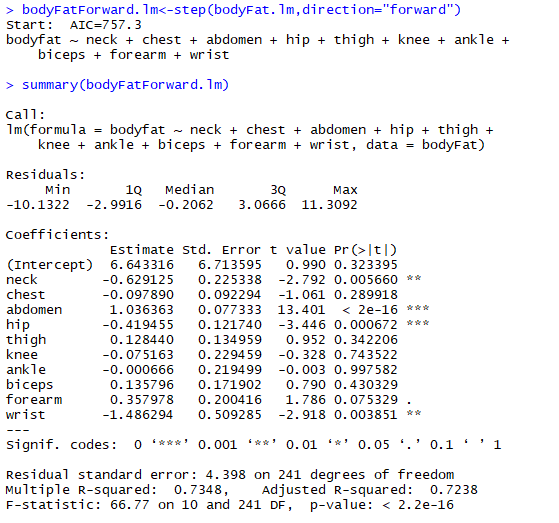
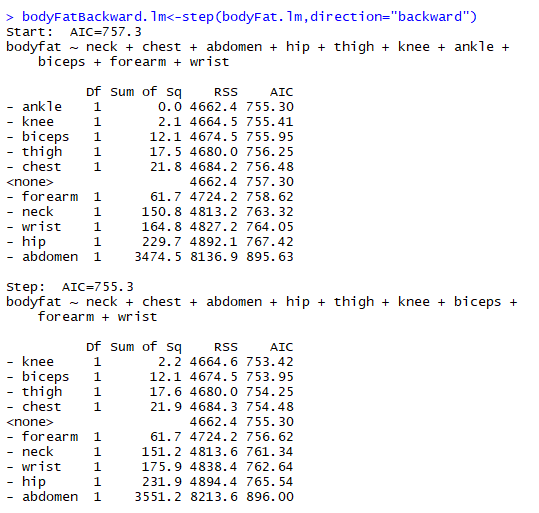
3a. Full Model

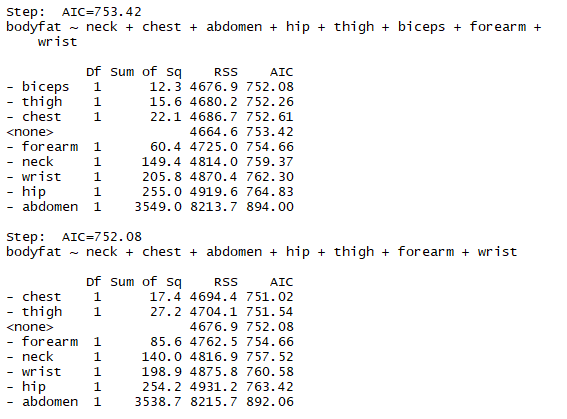


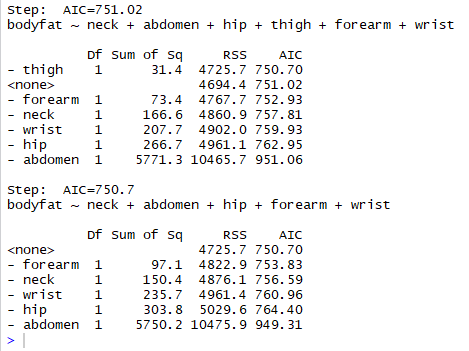
3b. Forward Stepwise

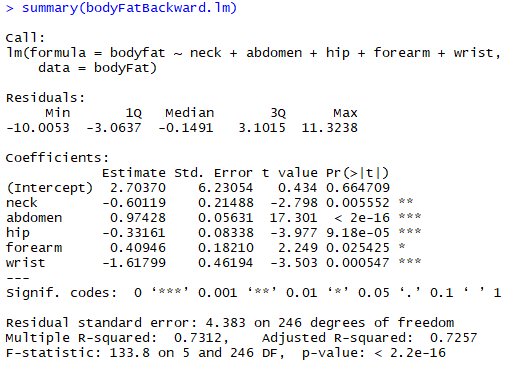


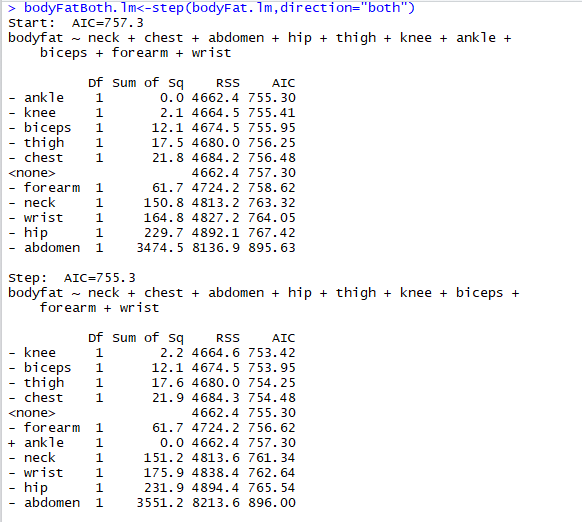
3c. Backwards Stepwise

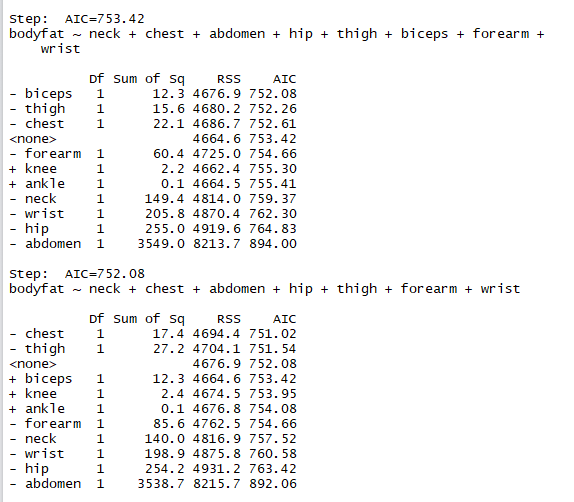


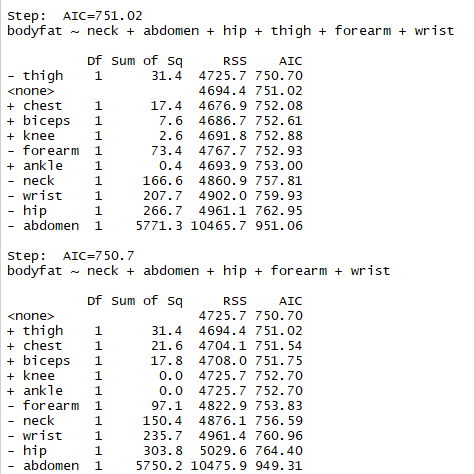


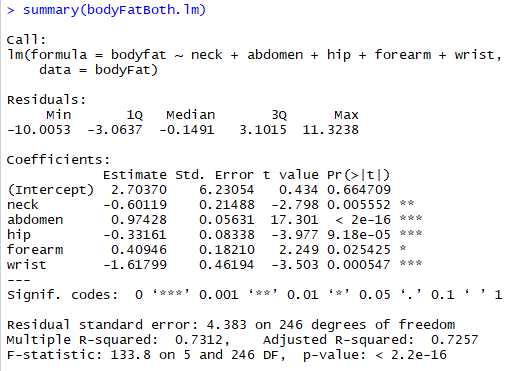




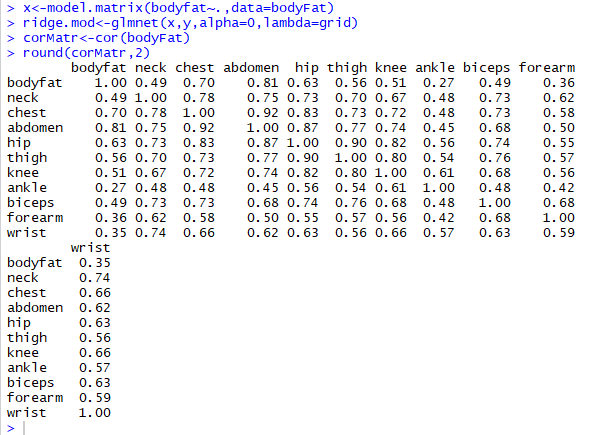
3d. Best Subsets

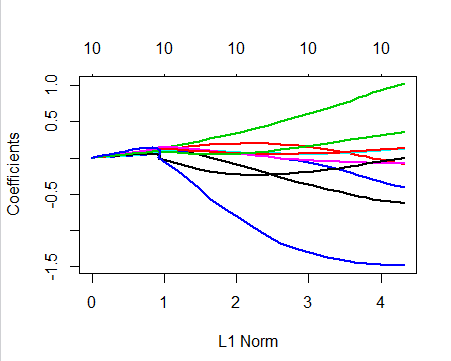






The best-subsets model appears to be the preferred model.

6.



Ridge regression is an improvement over the full regression model since it removes the negative variable in the correlation matrix