

STAT-S 470/670 Homework 3

Tentative Due Date: Wednesday 10/14, in class

1. (univariate resistant regression problem) Do problem #3 from UREDA page 164
2. (univariate resistant regression problem) Do problem #8 from UREDA page 165
3. (multivariate resistant regression problem) Do problem #2 from EDTTS page 165. For part (a) You should try the one variable at a time approach discussed in section 7B, however do it for 2 variables. Then try the resistant linear model approach using the `rlm()` function in the MASS package. Provide an influence plot of the data as well.