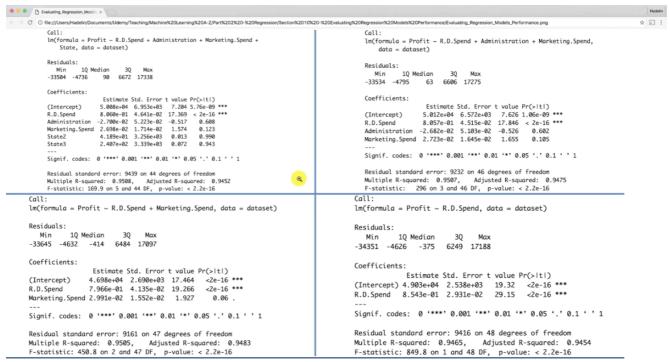
Evaluating Regression Models Performance - Homework's Final Part



Machine Learning A-Z

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- This is the backward elimination for our last exams.
- Here we implemented four models.
- In model 3 we exclude 'Marketing. Speed' because it p value (0.06) is bigger than 0.05 and it's not so significant but we want to sure that it's exclusion improved our model.
- R squared is bias
- By adding more variables, the R squared will grow too. It is shown in the our models too.
- Adjusted R-Squared has the same characteristic but with this difference that it has the penalization factor.
- Our first three model's R-Squared changes only by a small fraction. In this case the penalization factor (our Adjusted R-Squared) gonna overwhelmed this growth. in our case, the Adjusted R-Squared is decreased despite the fact that our variable increased.
- The Adjusted R-Squared in model 3 is bigger than the model 4 so it indicated that the model 4 is worse than our model 3.
- The model 3 is the best one.