

Building A Model

Backward Elimination

STEP 1: Select a significance level to stay in the model (e.g. $SL = 0.05$)



STEP 2: Fit the full model with all possible predictors



STEP 3: Consider the predictor with the highest P-value. If $P > SL$, go to STEP 4, otherwise go to FIN



STEP 4: Remove the predictor



STEP 5: Fit model without this variable*



FIN: Your Model Is Ready

