OLS Metrics

Metric	Calculated per	Priority	Formula	Want to	Description
n (num observations)	Model	High	n/a	n/a	
p (num features)	Model	High	n/a	n/a	
u (residual)	Observation	High		Decrease	
SSE (sum of squared errors)	Model	Low		Decrease	SSE measures the sample variation in the
SSR (sum of squared residuals)	Model	Low		Decrease	measures the sample variation in the u _i
SST (Total sum of squares)	Model	Low	= SSE + SSR	Decrease	SST is a measure of the total sample variation in the y _i ; that is, it measures how spread out the y _i are in the sample
R ²	Model	Low	SSE/SST = 1 - (SSR / SST)	Increase	Ratio of the explained variation compared to the total variation; fraction of variance in y that is explained by the model
Adjusted R ²	Model	High	1-(1-R²)(n-1) / (n- p-1)	Increase	Corrects for the fact that R² increases w/ number of regressors
t (T statistic)	Variable	Low	=	Increase	Test that variable coefficient should be 0 (i.e. variable is worthless)
P> t (p-Value)	Variable	High	P(observed t > actual t)	Decrease	Probability of the observed t-statistic is larger than the actual t statistic
DF Residuals (Residual degrees of freedom	Model	Low	n-p	Increase	
Model DoF	Model	Low	P-1	Decrease	Number of parameters (not including intercept
Many, many others					This is not an exhaustive list. There are many additional metrics to look at