R is one of the most important metric to find the goodness of fit of a linear regression model

We have formulas to find R2 & sklearn function to compute R2. But all these can be used only after fitting a linear model on the dataset & obtaining predicted values of y. But there a cool way to find R without building any model or making any predictions



There are 2 limitations. This will not hold good in the presence of multicollinearity & It will give us the Roof the training set only

HS is what RHS is what we obtain we obtain we obtain from the raw after building data & training a linear model