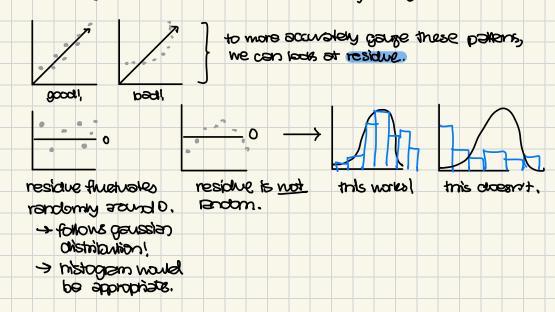
8/19 Class moles

- > model Testing
 - · if a series of data are acquired, what model would be used to fit the relationship?
 - · how do we know if our function this the deb well?
- > we can use the least squares method to evaluate goodness of fit.
 - · taking look at the uncertainty /variance, if datapoints somewhat randomly fluctuate accord a predicted, model, it may be suitable.



- -> Bigorous methods of model lesting:
 - · " how likely do our cases represent a dataset derived, from waisly measurements of y = mx + b?
 - · cm-squared rest: $\chi^{2} = \sum_{i}^{m} \left(\frac{\gamma_{i} \gamma(x_{i}; m_{i}b)}{G_{i}} \right)^{2} = \frac{m}{4} \text{ of fitting pashese}.$
 - if the 10^2 is around the degree of freedom, the fitting is good.