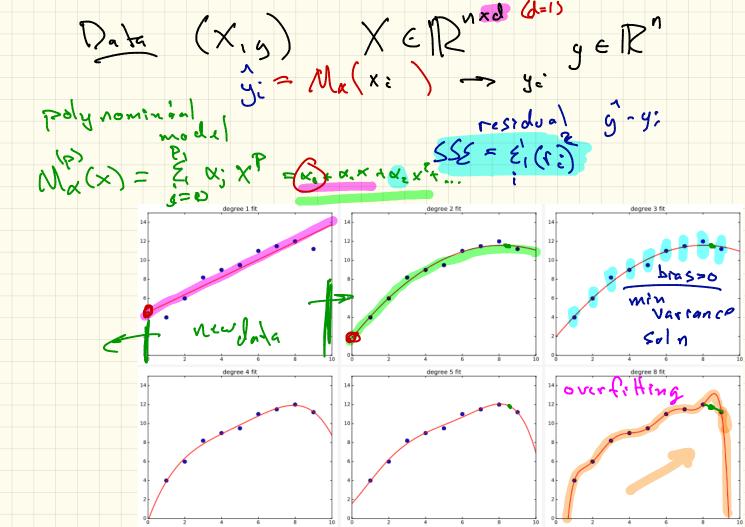
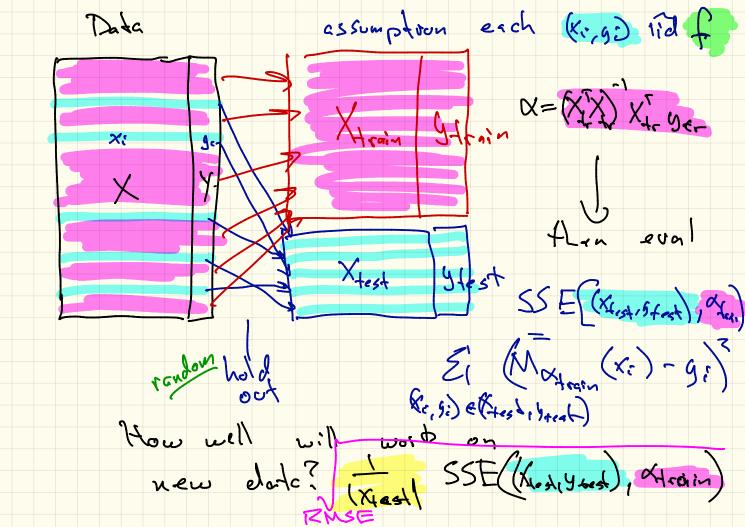
FoDA Cross L13 · Validation



Goal: Make good predictions on new unseen dona. modeling as residual ri=[Mx(xi)-gi) generalization! · Collect new data

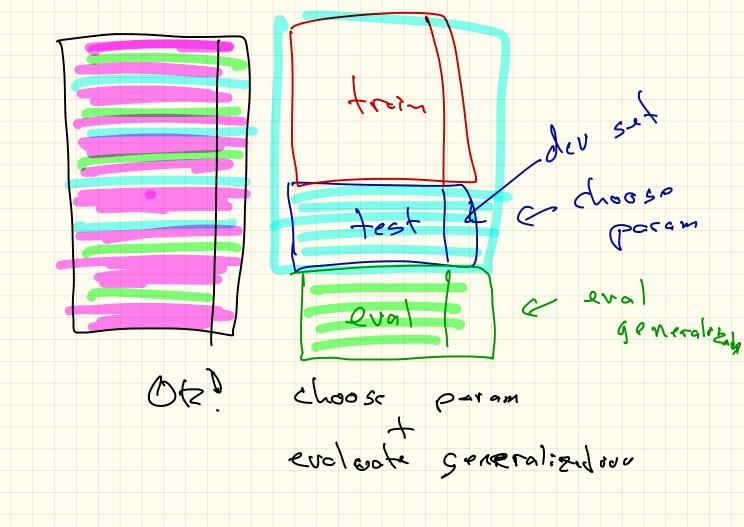
Los dry on His new data a "Save" some dans for testing



How large shoold the test set be? Common Lest size . \0% 33% Evolunte expected value of error by averaging next obserations. More don's less fest percentege LS CLT -> unbrased mos a complex model mose foct Var -> vor eance Wtost

What is cross-volidation used £1,3 a see how model generalizes to ne w date. e to select a porameter in model

(ex. P in Ma) px = arg min SSE (Xind, Yiest), Mahin train 8 model choose nod bodh



1.7 your das is small. don't want to voste data on tost. Leave-one-out Cy. Lost sed size 1

