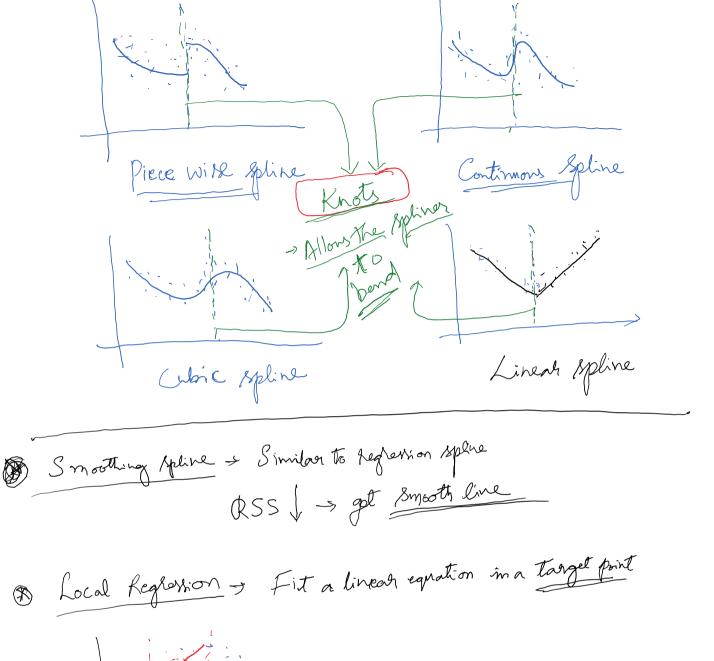
Pohnomial LR > Add entra predictors > Raising the original

Lincol = y=1+bo+ bx1+b2x2+b3x3+.... 1

Cubic > $y = b_0 + b_1 x_1^2 + b_2 x_2^2 + b_3 x_3^3 + C$ Pown(3)

Step Justion > Cut The trange of Variables in to K' distint hejow in order to produce "quantitative Variable & fit a piece wise "Constant Junction"

-> More flexible than polynomial Regulsion Splines → Divide in to "K" & git "Polynomials"



De Local Regionion & Fit a linear equation in a target point

(8) GAM-) general additive models -> Allows in to extend the methods to Multiple predictors.