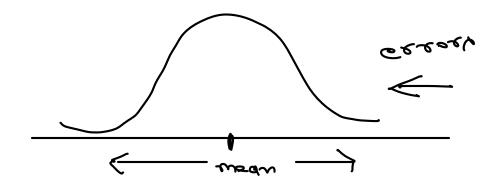
*	Agenda and Recap
	* Homoscedosticity
	* Homoscedonticity
	* Auto-collinearity
*	Gradient Descent Vosciants
	Polynomial Regression
*	Generalization and Occam's Tazor
	Underglitting and overfitting

#### Assumption 3: Error are Normally distributed

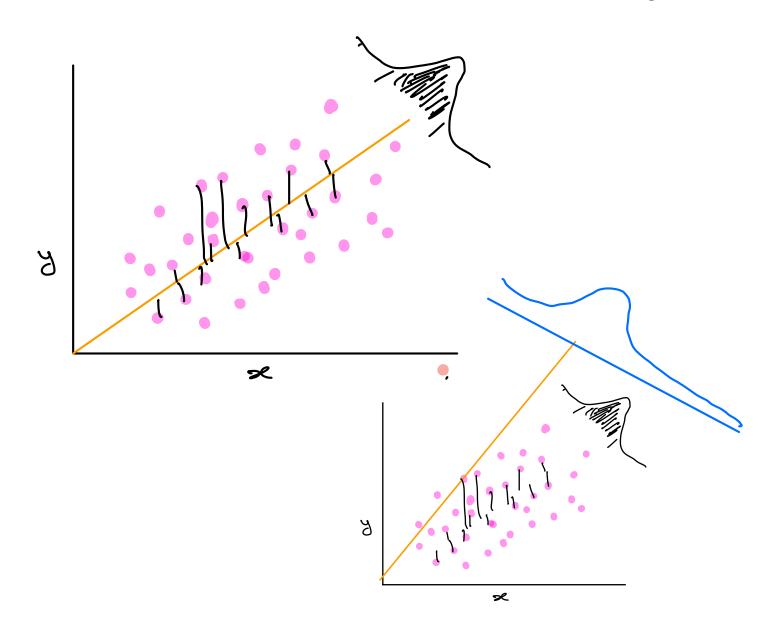


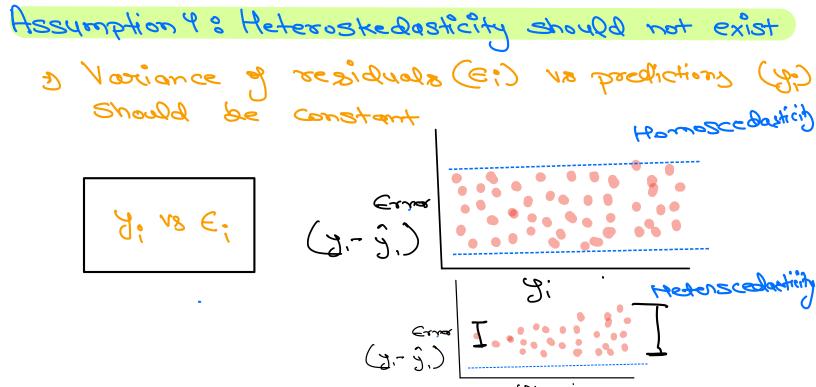
Step1: Build Model

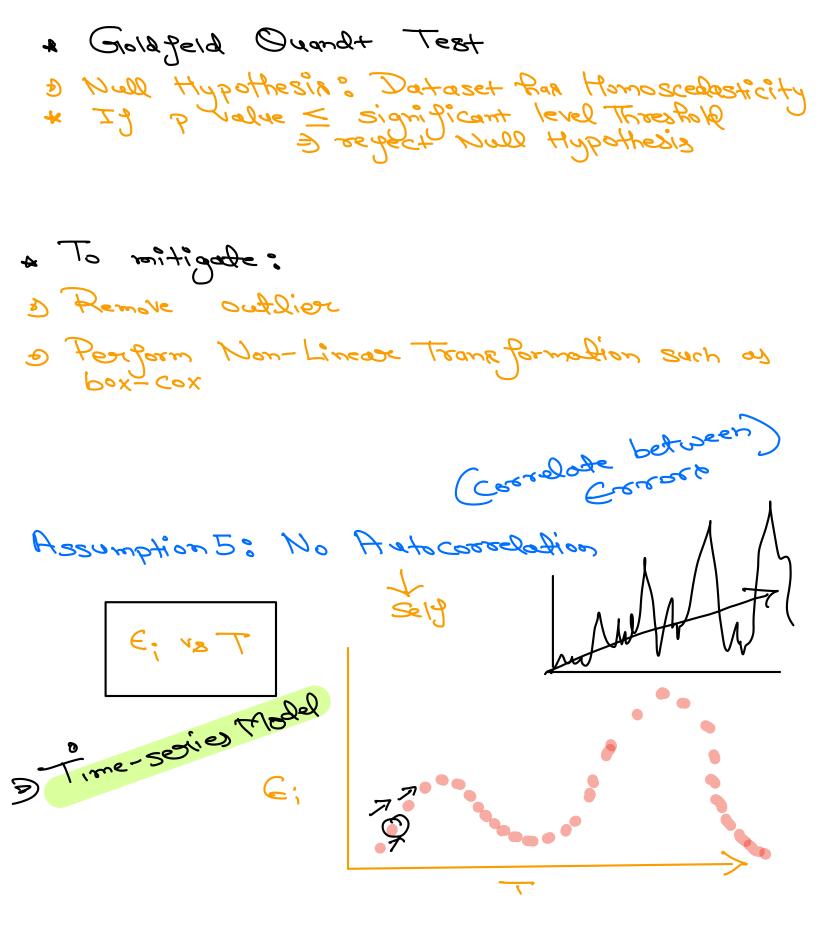
Step 2: Calculate Error

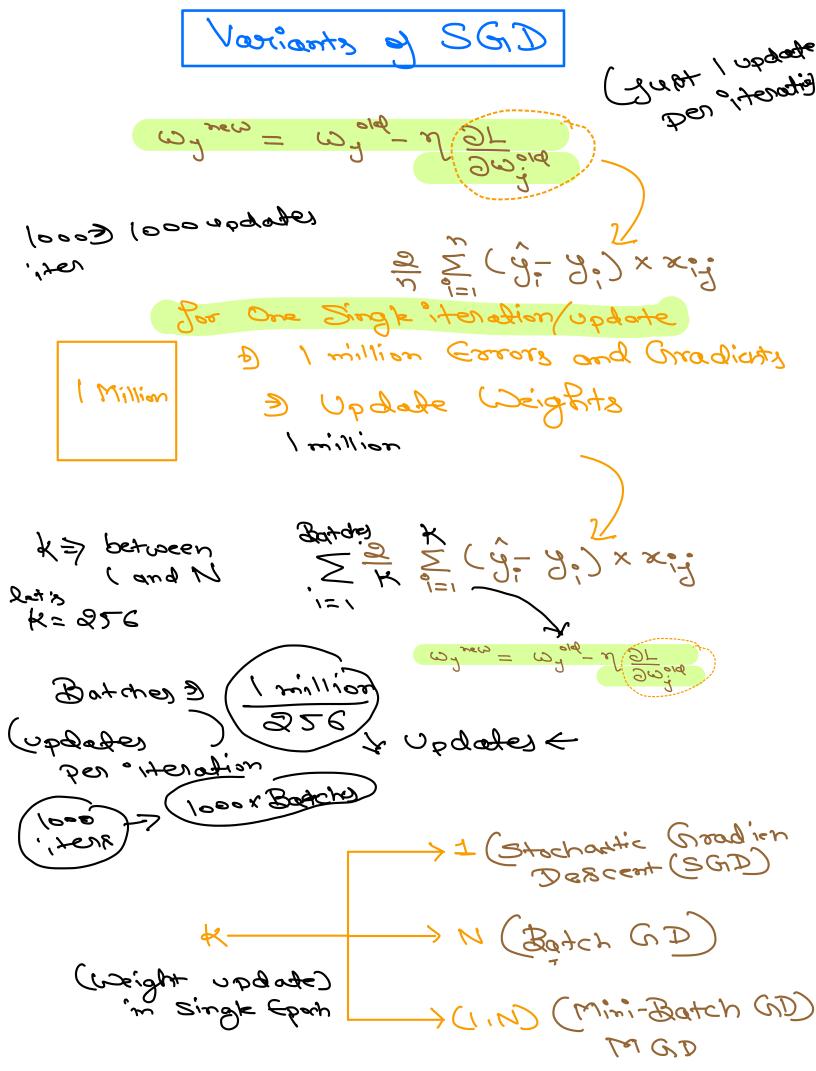
\* Bion Variance Tradeoff

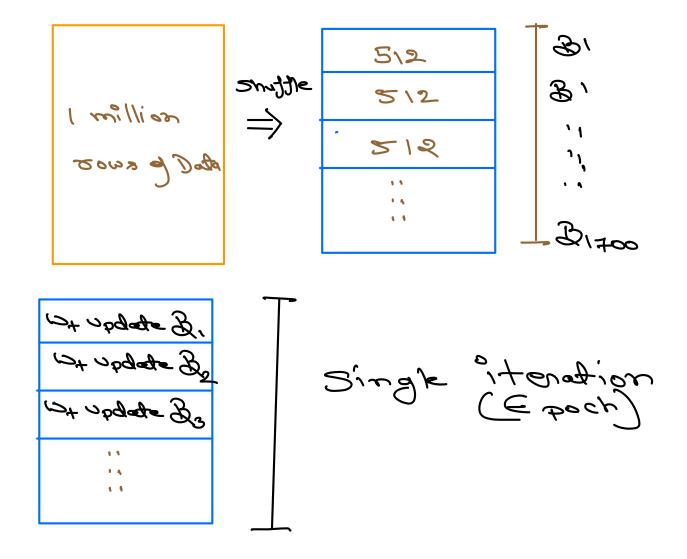
Step3: Plot Errora with Historgram







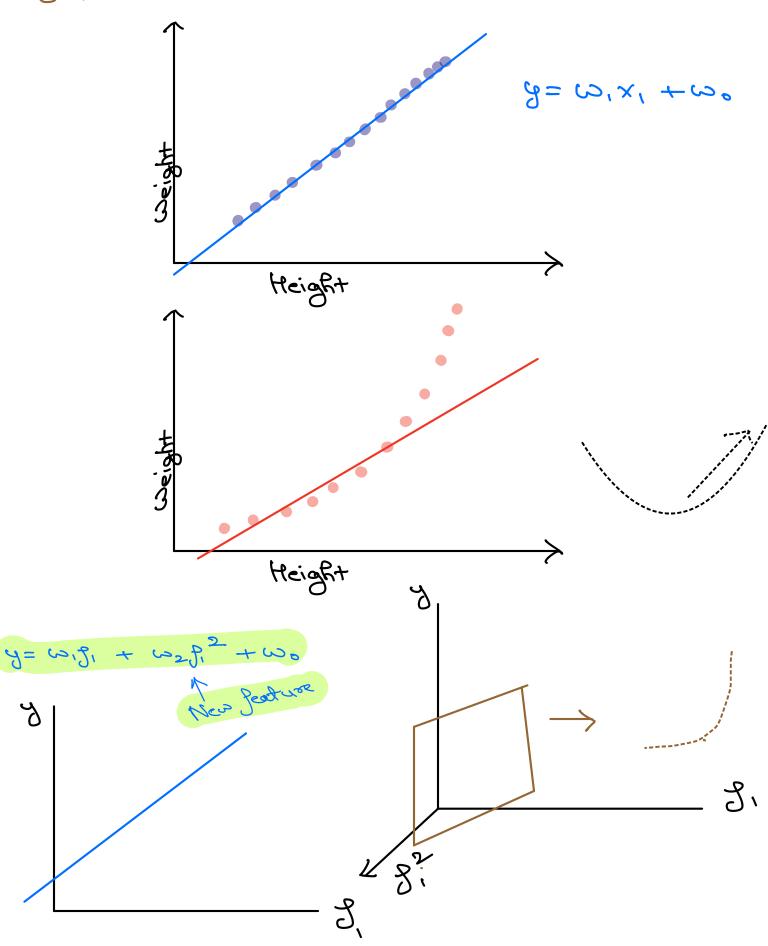






# Polynomial Regression





×	93
× "	9,
×a'	92
×3'	83
×	84
Xmi	3~

	<b>7</b> 2	<b>ス</b> ,	93
	X 2	ׄ	9,
>	22	×a'	72
	4 <sub>31</sub>	×3,	83
	11	×~	r &
	スプ	Xnı	3~

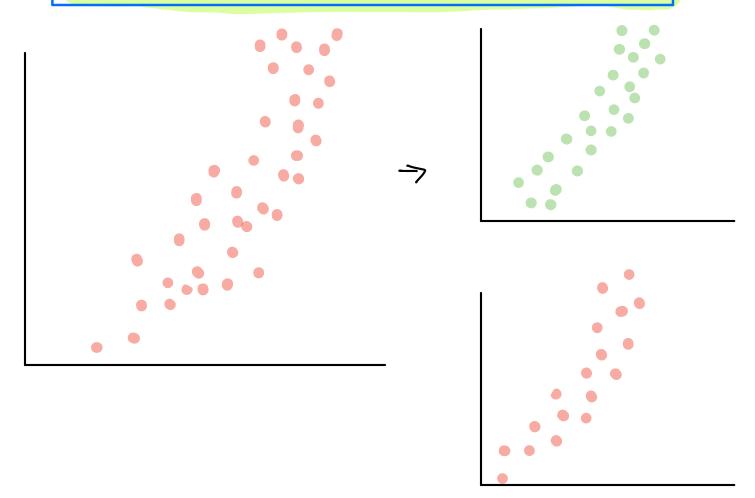
1) In blot

\* What about Multi-collinearity?

32 = xg, + B < Linear Relationship

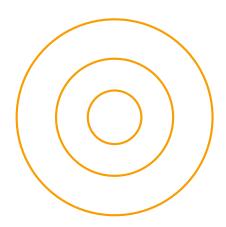
J2 = J2 x J2 ( Non Linear

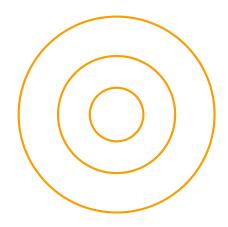
### Generalization and Occams Rozor



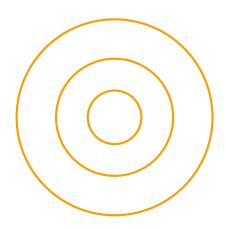


## Bion and Variance Frade-off









#### Bias UR Variance

