1) Form a Hypothesis

Us cen predict how many models a country will win

2) Find the DATA

	Team	Year	Athletes	Prev Medals	Medals
	USA	2008	763	263	317
	USA	2012	689	317	248
ı	USA	2016	719	248	264
	IND	2008	67	1	3
	IND	2012	95	3	6
	IND	2016	130	6	2

#### 3. Reshape the DATA

⇒ Once we have data need to seshape it to make it M2 predictions
Prossible.

Team	Year	Athletes	Prev Medals	Medals	
USA	2008	763	263	317	
USA	2012	689	317	248	
USA	2016	719	248	264	
IND	2008	67	1	3	
IND	2012	95	3	6	
IND	2016	130	6	2	

In this care everything is available in single 15000, we can use Athlete & Pron medal colourn to product how many medal they can in the green year.

### 9 Clean the DATA

Team	Year	Athletes	P	rev Medals	Medals	
ALB	1992	9		-	0	
ALG	1964	7		-	0	
AND	1976	3		-	0	
BLR	1996	259		-	23	
ARM	1996	38	L	-	2	

⇒ nogt	ML models	Cannot	७ वर K	Atrias	missing	values	Sence	need
	clean							

## Exxx Metric

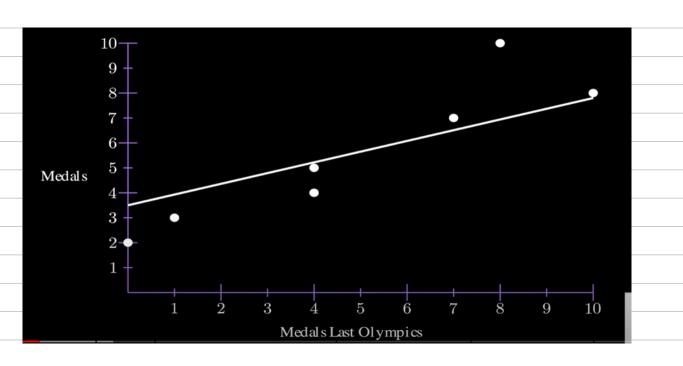
D	Team	Year	Medals	Predictions	Error	
$\sum  x_i - y_i $	ALB	1992	0	3	3	
i=1	ALG	1964	0	2	2	
	AND	1976	0	2	2	
	BLR	1996	23	15	8	
	ARM	1996	2	5	3	

# 6 Split the DATA

	Team	Year	Athletes	Prev Medals	Medals
	USA	2008	763	263	317
Training Data	USA	2012	689	317	248
	IND	2008	67	1	3
	IND	2012	95	3	6
	Team	Year	Athletes	Prev Medals	Medals
Test Data	USA	2016	719	248	264
	IND	2016	130	6	2

#### 3 Train a model





3) Built model was should initiated
Duilt model seg object initiated  Initiate Seg. 951 ( podicted, treyt)  Build — reg. 951 ( podicted, treyt)
B. 11 — 60. 151
predict — predict with text rest with
8.6. 1yee 3
what we observe our predicted velues are in decimelo
8 regolives.
test. Loc [test ["prediction"] = 0 ~ Numbers
test. Loc [test ["prediction"] = 0 ~ numbers
test ["predictions"] = test ["predictions"]. & ourd ()
- lest ( poem of ) lest poem of some
<del>20 130011 2</del>
=> Now actual medal & our medal predictions ready need to check
Exorb (mean_absolide_exorps)
=> So ; got 3.23 mAE, it means en everage our
greatictions is 2.23.
=> always check your error 18 lower than your stal always